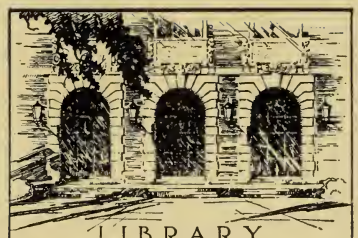

LIBRARY
OF THE
UNIVERSITY
OF ILLINOIS

C
B31H
1917/18 -1921/22

Digitized by the Internet Archive
in 2012 with funding from
University of Illinois Urbana-Champaign

http://archive.org/details/catalogue191718192122bate

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

BATES COLLEGE

BULLETIN

CATALOGUE

1917–1918

Fifteenth Series Number 1 December 1, 1917
Lewiston, Maine

The Bulletin of Bates College is published by the College four times a year.
Entered at the Post Office at Lewiston, Maine, as second-class mail matter, under the provisions of the Act of July 16, 1894.

BATES COLLEGE

LEWISTON MAINE

1917-1918

1917

JULY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	. .	. .	. .	. .
. .	. .	. .	. .	. .	. .	. .

AUGUST

S	M	T	W	T	F	S
. .	. .	. .	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	. .
. .	. .	. .	. .	. .	. .	. .

SEPTEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	. .	. .	. .	. .	. .	. .

OCTOBER

S	M	T	W	T	F	S
. .	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	. .	. .	. .
. .	. .	. .	. .	. .	. .	. .

NOVEMBER

S	M	T	W	T	F	S
. .	. .	. .	. .	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	. .
. .	. .	. .	. .	. .	. .	. .

DECEMBER

S	M	T	W	T	F	S
. .	. .	. .	. .	. .	. .	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	. .	. .	. .	. .	. .

1918

JANUARY

S	M	T	W	T	F	S
. .	. .	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	. .	. .
. .	. .	. .	. .	. .	. .	. .

FEBRUARY

S	M	T	W	T	F	S
. .	. .	. .	. .	. .	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	. .	. .
. .	. .	. .	. .	. .	. .	. .

MARCH

S	M	T	W	T	F	S
. .	. .	. .	. .	. .	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	. .	. .	. .	. .	. .	. .

APRIL

S	M	T	W	T	F	S
. .	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	. .	. .	. .	. .
. .	. .	. .	. .	. .	. .	. .

MAY

S	M	T	W	T	F	S
. .	. .	. .	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	. .
. .	. .	. .	. .	. .	. .	. .

JUNE

S	M	T	W	T	F	S
. .	. .	. .	. .	. .	. .	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	. .	. .	. .	. .	. .	. .

JULY

S	M	T	W	T	F	S
. .	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	. .	. .	. .
. .	. .	. .	. .	. .	. .	. .

AUGUST

S	M	T	W	T	F	S
. .	. .	. .	. .	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
. .	. .	. .	. .	. .	. .	. .

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	. .	. .	. .	. .	. .
. .	. .	. .	. .	. .	. .	. .

OCTOBER

S	M	T	W	T	F	S
. .	. .	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	. .	. .
. .	. .	. .	. .	. .	. .	. .

NOVEMBER

S	M	T	W	T	F	S
. .	. .	. .	. .	. .	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
. .	. .	. .	. .	. .	. .	. .

DECEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	. .	. .	. .	. .
. .	. .	. .	. .	. .	. .	. .

1919

JANUARY

S	M	T	W	T	F	S
. .	. .	. .	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	. .
. .	. .	. .	. .	. .	. .	. .

FEBRUARY

S	M	T	W	T	F	S
. .	. .	. .	. .	. .	. .	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	. .
. .	. .	. .	. .	. .	. .	. .

MARCH

S	M	T	W	T	F	S
. .	. .	. .	. .	. .	. .	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	. .	. .	. .	. .	. .

APRIL

S	M	T	W	T	F	S
. .	. .	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	. .	. .	. .
. .	. .	. .	. .	. .	. .	. .

MAY

S	M	T	W	T	F	S
. .	. .	. .	. .	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
. .	. .	. .	. .	. .	. .	. .

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	. .	. .	. .	. .	. .
. .	. .	. .	. .	. .	. .	. .

CALENDAR

1917		
Oct. 9–10	Examinations for Admission to College	Tuesday and Wednesday, 8.00 A.M., 1.30 P.M.
Oct. 11	First Semester began 8.40 A.M. Prayers.	Registration Thursday
Nov. 12–23	Sophomore Preliminary Public Speaking	1.30 P.M.
Nov. 15	Tuition due	
Nov. 24	Prize Division	2.00 P.M.
Nov. 29	Thanksgiving Day	Thursday
	Christmas Recess from 12.00 M., December 21, 1917 to 7.40 A.M., January 2, 1918	
1918		
Jan. 12–28	Sophomore Debates	2.00 P.M.
Jan. 31	Day of Prayer for Colleges	Thursday
Feb. 6–13	Midyear Examinations	
Feb. 14	Second Semester begins: 7.40 A.M.	
Feb. 22	Washington's Birthday	Friday
Feb. 25–Mar. 8	Freshman Preliminary Public Speaking	1.30 P.M.
March 9	Prize Division	2.00 P.M.
March 14	Senior Prize Speaking	Thursday, 7.45 P.M.
March 15	Tuition due	
	Easter Recess, from 12.00 M., March 28 to 7.40 A.M., April 9	
April 19	Patriots' Day	Friday
May 30	Memorial Day	Thursday
June 3	Examinations at Preparatory Schools	
June 12	Junior Prize Speaking	Wednesday, 7.45 P.M.
June 13	Last Chapel	Thursday
June 13	Ivy Day Exercises	Thursday
June 14–21	Final Examinations	
June 23	Baccalaureate Exercises	Sunday, 3.30 P.M.
June 24	Annual Meeting of Delta Sigma Rho	Monday, 2.30 P.M.
June 24	Alumni Night	Monday, 8.00 P.M.
June 25	Annual Meeting of the Corporation	Tuesday, 9.00 A.M.
June 25	Class Day Exercises	Tuesday, 2.30 P.M.
June 25	Annual Meeting of the Alumni	Tuesday, 4.00 P.M.

June 25	Annual Meeting of Phi Beta Kappa	Tuesday, 4.00 P.M.
June 25	Illumination of College Campus	Tuesday, 7.45 P.M.
June 26	Commencement	Wednesday, 10.00 A.M.
June 26	The Commencement Dinner	Wednesday, 1.00 P.M.
June 26	President's Reception to the Graduates	Wednesday, 8.00 P.M.
Sept. 24–25	Examinations for Admission to College	Tuesday and Wednesday, 8.00 A.M., 1.30 P.M.
Sept. 26	First Semester begins: 8.40 A.M.	Thursday
Nov. 4–15	Sophomore Preliminary Public Speaking	1.30 P.M.
Nov. 15	Tuition due	
Nov. 16	Prize Division	2.00 P.M.
Nov. 28	Thanksgiving Day	Thursday
Dec. 20	Christmas Recess begins	

Office Hours

The President, Roger Williams Hall, 2.00 P.M.–4.00 P.M.

Dean of Women, Rand Hall, 8.30 A.M.–9.30 A.M., 12.00 M.–12.30 P.M., 1.00 P.M.–1.30 P.M., daily; 3.30 P.M.–4.30 P.M., Mondays; 11.00 A.M.–12.00 M., Thursdays.

The Assistant Treasurer, Roger Williams Hall, 9.00 A.M.–11.00 A.M., 12.15 P.M.–2.15 P.M.

The Registrar, Roger Williams Hall, 8.30 A.M.–12.00 M., 1.30 P.M.–4.30 P.M.

The Y. M. C. A. Secretary, Roger Williams Hall, 10.00 A.M.–11.30 A.M., 1.30 P.M.–3.00 P.M.

C
31H
17/18-1921/22

GENERAL INFORMATION

FOUNDATION

Bates College grew out of the Maine State Seminary, chartered in 1855. In 1862 sixteen young men in this school petitioned the Trustees to provide facilities for collegiate instruction. In the fall of 1863 the first Freshman class was admitted, and in the winter of 1864 a new Charter was secured, and Maine State Seminary became Bates College. The name Bates College was given by the Trustees in grateful acknowledgment of the generosity of Mr. Benjamin E. Bates of Boston, Mass., one of the founders of the city of Lewiston. Mr. Bates had taken a warm interest in the Seminary, and it was his encouragement, with a subscription in 1863 of $25,000, which led to its development into the College. To this sum he subsequently added $75,000. Mr. Bates died in 1877. Other friends have generously aided the institution, but none of their benefactions have surpassed in amount the gifts of Mr. Bates.

Lewiston, in which the College is situated, is the second city in population in Maine, having thirty-three thousand inhabitants. It is on the east bank of the Androscoggin, thirty-five miles northeast of Portland. It is connected by four bridges with Auburn, a city with sixteen thousand inhabitants, on the opposite bank of the river. The two cities are among the most enterprising and progressive in the East. Many of their public buildings are exceptionally beautiful and substantial. Their excellent public schools are constantly bringing to the two cities from all parts of Maine, and even from adjoining states, parents eager to secure a good education for their children. The Jordan High School, of Lewiston, and the Edward Little High School, of Auburn, rank among the best preparatory schools in New England. The pulpits of Lewiston and Auburn are occupied by able and scholarly men, and residents of few towns have better facilities for hearing the representative lecturers and orators of our country. The two cities are remarkably healthful, are situated amid some of the most beautiful scenery of the Androscoggin valley, and combine in a rare degree the educational influences afforded by the presence of business energy, of scholarly leisure, and of attractive environments. They are a little more than four hours distant from Boston, and are accessible from all directions by means of four railways—

the Grand Trunk, the Portland and Rumford Falls, and two lines of the Maine Central. These, with numerous electric roads, make the College easily accessible from every direction. The College grounds consist of fifty-five acres in the suburbs of Lewiston. They have great natural beauty and command fine views of the surrounding country. From the summit of Mount David, given by the late Mrs. Archibald Wakefield and the late Mrs. John M. Frye, as the site for an astronomical observatory, the White Mountains, more than fifty miles away, are distinctly visible. Through the generosity of the children of Mrs. Wakefield, three and one-half acres have (in September, 1912) been added to this earlier gift and nearly all of Mount David is now owned by the College—giving to the campus a distinctive charm that arrests the attention of every visitor.

CHARACTER OF THE COLLEGE

The College is unsectarian in its organization, aims and methods, but it is unequivocally Christian. Breadth and thoroughness are sought, not only in literary and scientific attainments, but in moral and spiritual culture. What are called the vices of student life are practically unknown at Bates. No student can be a member of the College without taking and keeping a pledge to abstain from alcoholic drinks, and no student may receive beneficiary aid without abstaining from all use of tobacco. Hazing has never been tolerated. A large percentage of the students are actively religious, and among them are represented nearly all the religious denominations of New England. It has been the constant aim of the College to encourage and aid students of limited means and to exclude such habits and customs as lead to extravagant and unnecessary expenditures. Planted in a thrifty and frugal community, Bates is for a wide area the natural college home for students of limited means. The community, with its numerous industries, offers unusual opportunities for work; and college spirit and tradition make labor honorable. The Faculty of Bates find one of their highest pleasures in helping young men and young women to solve the problem of ways and means. An employment Bureau composed of members of the Faculty and of Alumni is able practically to assure remunerative work to students able and willing to engage in self-help. Every year Bates students are engaged in more than sixty different kinds of employment. During 1916–1917 students earned nearly $40,000. There are one hundred and eleven scholarships. One hundred and seven of these, of $1,000 each, pay fifty dollars per year, each, to as many deserving young men and young women. The other

four are the Coe Scholarship of $3,000 and the Dana Estes Scholarship of $2,500, the John Bartlett Kezar Scholarship of $2,000, and the Fitz Scholarship of $1,500. Students preparing for the Christian ministry or for other kinds of public Christian service may receive aid from the Edgecomb Fund. Students of ample, of moderate, and of limited means live and work together in absolute social equality. From its organization in 1863, the College has received young women on the same terms with young men, thus beginning on the Atlantic seaboard the movement for the higher education of women.

The government of the College is vested in two co-ordinate boards: President and Fellows, and Overseers. Under the Charter of the College, the Board of Overseers must consist of five classes, each of them holding office for five years. Each class numbers five members, two of the five having been nominated from the Alumni. At the present time nine of the fourteen Fellows and nineteen of the twenty-five Overseers are Alumni. The graduates of Bates number 2,193. Of these 2,016 are living. The Bates Semi-Centennial was celebrated June 21–24, 1914.

CORPORATION

BOARD OF PRESIDENT AND FELLOWS

GEORGE C. CHASE, D. D., LL. D. PRESIDENT	Lewiston
HON. GEORGE E. SMITH, A. B.	Boston, Mass.
LINDLEY M. WEBB, A. B., Esq.	Portland
HON. CHARLES A. MILLIKEN	Augusta
REV. FRITZ W. BALDWIN, D. D.	Acworth, N. H.
JOSEPH A. CORAM	Boston, Mass.
HON. WILBUR H. JUDKINS, A. B., Esq.	Lewiston
J. FRANK BOOTHBY	Lewiston
REV. ASHMUN T. SALLEY, D. D.	Lewiston
HON. JAMES W. PARKER	Portland
HON. ALBERT M. SPEAR, A. B., LL. D.	Gardiner
WHITEFIELD N. THOMPSON, A. B., M. D.	Hartford, Conn.
HON. OLIVER B. CLASON, A. B.	Gardiner
WILLIAM F. GARCELON, A. B., Esq.	Boston, Mass.
HON. CARL E. MILLIKEN, A. B., LL. D.	Augusta

HON. FRANKLIN M. DREW, A. M., SECRETARY	Lewiston

BOARD OF OVERSEERS

OREN CHENEY BOOTHBY, A. B., Esq.,
PRESIDENT

LOUIS B. COSTELLO, A. B.,
SECRETARY

Term Expires in 1918

ALBERT F. GILMORE, A. B.	New York, N. Y.
FRANK H. BRIGGS, A. B.	Auburn
MRS. MARY BRACKETT ROBERTSON, A. B.	Washington, D.C
HON. WILLIAM B. SKELTON, A. B., Esq.	Lewiston
OREN CHENEY BOOTHBY, A. B., Esq.	Boston, Mass.

Term Expires in 1919

HON. RANSFORD W. SHAW	Houlton
RICHARD B. STANLEY, A. B., Esq.	Boston, Mass.
REV. THOMAS H. STACY, D. D.	Concord, N. H.
HON. HENRY W. OAKES, A. M.	Auburn
LEWIS M. PALMER, A. M., M. D.	South Framingham, Mass.

Term Expires in 1920

HON. WALTER E. RANGER, A. M., LL. D.	Providence, R. I.
REV. SAMUEL H. WOODROW, D. D.	St. Louis, Mo.
REV. ARTHUR GIVEN, D. D.	Clermont, Fla.
HERVEY S. COWELL, A. M., Pd. D.	Ashburnham, Mass.
ARTHUR S. LITTLEFIELD, A. M., LL. B.	Rockland

Term Expires in 1921

HON. CHARLES S. COOK, A. B.	Portland
LOUIS B. COSTELLO, A. B.	Lewiston
MRS. ELIZABETH BODGE WILSON, A. B.	Portland
REV. FREDERICK E. EMRICH, D. D.	Boston, Mass.
SCOTT WILSON, A. B., Esq.	Portland

Term Expires in 1922

WILLIAM E. C. RICH, A. M.	Ocean Park
REV. ALBERT W. JEFFERSON, D. D.	Hillsdale, Mich.
JOHN L. READE, A. B., Esq.	Lewiston
WILLIAM B. KENDALL	Bowdoinham
HAROLD S. LIBBEY, A. B.	Lewiston

COMMITTEES OF THE BOARDS

EXECUTIVE:

G. C. Chase, W. H. Judkins, J. F. Boothby, A. T. Salley, H. W. Oakes, J. L. Reade, L. B. Costello

FINANCE AND OVERSIGHT:

H. W. Oakes, J. F. Boothby, L. B. Costello

COMMITTEES FOR THE BOARDS

PRUDENTIAL:

D. E. Andrews, F. M. Drew, George W. Lane, Jr., G. E. Ramsdell

VISITING:

Rev. Arba J. Marsh, D. D., Rev. D. N. Beach, D. D., W. E. Pulsifer, A. M., W. H. H. Bryant, A. M.

VACANCIES IN THE CORPS OF INSTRUCTION:

G. C. Chase, A. T. Salley, W. H. Judkins

EXAMINING:

Hon. A. O. Thomas, Ph. D., Superintendent of the Public Schools of Maine, Rev. H. P. Woodin, A. B., D. D., W. L. Powers, A. B., Pd. D., A. C. Yeaton, A. B.

LIBRARY:

W. H. Hartshorn, L. G. Jordan, W. H. Judkins, Blanche W. Roberts

COLLEGE COMMONS:

L. B. Costello, W. H. Judkins, G. W. Lane, Jr.

AUDITORS:

Charles F. Goss, George J. Wallingford

TREASURER:

George W. Lane, Jr.

ASSISTANT TREASURER:

Delbert E. Andrews

OFFICERS AND INSTRUCTORS

GEORGE COLBY CHASE, A. M., D. D., LL. D. 16 Frye St.
PRESIDENT, PROFESSOR OF PSYCHOLOGY AND LOGIC

JONATHAN YOUNG STANTON, A. M., Litt. D. 410 Main St.
EMERITUS PROFESSOR OF GREEK

LYMAN GRANVILLE JORDAN, A. M., Ph. D. 250 College St.
STANLEY PROFESSOR OF CHEMISTRY
Endowed in memory of the late Professor Richard C. Stanley

WILLIAM HENRY HARTSHORN, A. M., Litt. D. 235 College St.
PROFESSOR OF ENGLISH LITERATURE

HERBERT RONELLE PURINTON, A. M., D. D. 36 Mountain Ave.
FULLONTON PROFESSOR OF BIBLICAL LITERATURE AND RELIGION
Endowed in memory of the late Professor John Fullonton

GROSVENOR MAY ROBINSON, A. M. 22 Wakefield St.
PROFESSOR OF ORATORY

ARTHUR NEWTON LEONARD, A. M., Ph. D. 12 Abbott St.
PROFESSOR OF GERMAN

FRED AUSTIN KNAPP, A. M. 32 Mountain Ave.
PROFESSOR OF LATIN

FRED ELMER POMEROY, A. M. 342 College St.
PROFESSOR OF BIOLOGY

HALBERT HAINS BRITAN, A. M., Ph. D. 17 Mountain Ave.
COBB PROFESSOR OF PHILOSOPHY
Endowed in memory of the late Hon. J. L. H. Cobb

GEORGE MILLET CHASE, A. M. 20 Frye St.
BELCHER PROFESSOR OF GREEK
Endowed by Mrs. Sarah Belcher

WILLIAM RISBY WHITEHORNE, A. M., Ph. D. 55 Cottage St.
PROFESSOR OF PHYSICS

GEORGE EDWIN RAMSDELL, A. M. 40 Mountain Ave.
PROFESSOR OF MATHEMATICS

FRANK DEAN TUBBS, A. M., S. T. D. 129 Wood St.
PROFESSOR OF GEOLOGY AND ASTRONOMY

CLARA LUCENA BUSWELL, A. B. Rand Hall
DEAN OF WOMEN

R. R. N. GOULD, A. M. 250 College St.
KNOWLTON PROFESSOR OF HISTORY AND GOVERNMENT
Endowed in memory of the late Rev. Ebenezer Knowlton

ARTHUR FREDERICK HERTELL, A. M. 384 Main St.
PROFESSOR OF FRENCH

ALBERT CRAIG BAIRD, A. M., B. D. 215 College St.
PROFESSOR OF ENGLISH AND ARGUMENTATION

ROYCE DAVIS PURINTON, A. B., B. P. E. 793 Main St.
DIRECTOR OF PHYSICAL TRAINING AND INSTRUCTOR IN PHYSIOLOGY

JOHN MURRAY CARROLL, A. M. 94 Googin St.
PROFESSOR OF ECONOMICS

SAMUEL FREDERICK HARMS, A. M. 8 Abbott St.
ASSISTANT PROFESSOR OF GERMAN

ROBERT ALEXANDER FYFE McDONALD, A. M., PH. D.
PROFESSOR OF EDUCATION 144 Nichols St.

WILLIAM HAROLD COLEMAN, A. M. 148 Nichols St.
INSTRUCTOR IN ENGLISH

WILLIAM HAYES SAWYER, JR., A. M. 18 Arch Ave.
INSTRUCTOR IN BIOLOGY

HETTIE WEAKLEY CRAIGHEAD, A. B., B. S.
INSTRUCTOR IN HOUSEHOLD ECONOMY John Bertram Hall

SYDNEY BARLOW BROWN, A. M. 18 Arch Ave.
INSTRUCTOR IN FRENCH

LAURENCE RICH GROSE, A. M., M. F.
INSTRUCTOR IN FORESTRY

CHARLES HENRY HIGGINS, B. S. 43 Winter St., Auburn
INSTRUCTOR IN CHEMISTRY

LENA MABEL NILES, A. B. 28 Frye St.
DIRECTOR OF HYGIENE FOR THE WOMEN

RUTH HAMMOND, B. S. — Rand Hall
ASSISTANT INSTRUCTOR IN HOUSEHOLD ECONOMY

HARRY WILLISON ROWE, A. B. — 350 College St.
SECRETARY YOUNG MEN'S CHRISTIAN ASSOCIATION

BLANCHE WHITTUM ROBERTS, A. B. — 128 Wood St.
LIBRARIAN

MABEL EMERY MARR, A. B. — 205 College St.
ASSISTANT LIBRARIAN

RAYMOND SILVESTER OAKES, A. B., LL. B.
LECTURER ON PRACTICAL LAW — 85 Exchange St., Portland

LYMAN GRANVILLE JORDAN, A. M., PH. D. — 250 College St.
SECRETARY

GEORGE MILLET CHASE, A. M. — 20 Frye St.
ASSISTANT SECRETARY

ELIZABETH DYER CHASE, A. B. — 16 Frye St.
SECRETARY TO THE PRESIDENT

NOLA HOUDLETTE, A. B. — Whittier House
REGISTRAR

MARIE MAUDE KNOWLES, A. B. — Milliken House
SECRETARY TO THE DEAN OF WOMEN

DELBERT ELVIN ANDREWS, A. B. — 130 Wood St.
SUPERINTENDENT OF GROUNDS AND BUILDINGS

ESTELLE BRADBURY KIMBALL — John Bertram Hall
MATRON

EDWIN LINCOLN GOSS — 94 Nichols St.
CHORISTER

COMMITTEES OF THE FACULTY

DEGREES:

G. C. Chase, J. Y. Stanton, L. G. Jordan, W. H. Hartshorn

ATHLETICS:

F. E. Pomeroy, R. D. Purinton, G. E. Ramsdell, R. R. N. Gould

ENTRANCE EXAMINATIONS:

F. A. Knapp, W. H. Hartshorn, A. C. Baird, G. E. Ramsdell, W. H. Sawyer, C. H. Higgins, L. R. Grose

REGISTRATION:

G. M. Chase, A. F. Hertell, J. M. Carroll, S. F. Harms

CURRICULUM:

G. C. Chase, L. G. Jordan, W. H. Hartshorn, A. N. Leonard, F. A. Knapp, W. R. Whitehorne, H. H. Britan

PUBLICATIONS:

A. N. Leonard, H. H. Britan, A. C. Baird, S. B. Brown

CO-OPERATION WITH LITERARY SOCIETIES:

F. D. Tubbs, Clara L. Buswell, A. C. Baird

EMPLOYMENT BUREAU:

D. E. Andrews, G. M. Robinson, H. W. Rowe, Blanche W. Roberts, Hettie W. Craighead, Ruth Hammond

TEACHERS' BUREAU:

H. H. Britan, F. D. Tubbs, R. R. N. Gould, W. R. Whitehorne, R. A. F. McDonald

SCHOLARSHIPS AND BENEFICIARY FUNDS:

G. C. Chase, F. A. Knapp, G. E. Ramsdell, D. E. Andrews, H. R. Purinton, Clara L. Buswell

MEMBERS OF ATHLETIC COUNCIL:

F. E. Pomeroy, R. D. Purington, G. E. Ramsdell

PREPARATORY SCHOOLS:

F. A. Knapp, R. D. Purinton, R. R. N. Gould, A. F. Hertell, R. A. F. McDonald

ENTERTAINMENTS:

G. M. Robinson, H. W. Rowe, Clara L. Buswell, Hettie W. Craighead, S. B. Brown, Ruth Hammond, Lena M. Niles, L. R. Grose

MUSIC:

A. F. Hertell, G. M. Robinson, H. H. Britan, S. B. Brown

ALUMNI:

H. W. Rowe, L. G. Jordan, G. M. Chase, F. E. Pomeroy, W. H. Sawyer, C. H. Higgins, Elizabeth D. Chase

STANDING OF STUDENTS:

R. R. N. Gould, S. F. Harms, W. H. Coleman

COLLEGE COMMONS:

G. C. Chase, D. E. Andrews, J. M. Carroll, R. D. Purinton, S. B. Brown, Hettie W. Craighead

PROMOTION OF RELIGIOUS INTERESTS:

H. R. Purinton, G. M. Chase, F. A. Knapp, G. M. Robinson, H. W. Rowe, W. H. Coleman, A. N. Leonard, D. E. Andrews, Lena M. Niles

DEBATING COUNCIL:

A. C. Baird, G. M. Chase, J. M. Carroll, G. M. Robinson

PUBLICITY COMMITTEE:

A. C. Baird, H. W. Rowe, R. A. F. McDonald, Nola Houdlette

ADMISSION OF STUDENTS

GENERAL STATEMENT

All candidates for admission to the College must offer satisfactory testimonials of good moral character; and those that have been members of other colleges must present certificates of honorable dismission.

Young men desiring information about the College or seeking admission should address President George C. Chase, 16 Frye St., Lewiston; young women, Dean Clara L. Buswell, Rand Hall, Bates College, Lewiston.

A young woman applying for admission must furnish a certificate of character and scholarship from her principal, a certificate of health equal to the demands of a college course from her physician, and a certificate of character and worth from her pastor. Not more than fifty applicants can be received in any one year. Application should be made not later than March 1 of the year for which admission is sought. If practicable, the list of successful candidates will be announced about May 1.

Young men desiring information about rooms in the College dormitories should write to Superintendent Delbert E. Andrews, 130 Wood Street.

The requirements in particular subjects are as follows:

LATIN

The requirements in Latin are those recommended in the "Report of the Commission on College-Entrance Requirements in Latin," and are as follows:

I. Amount and Range of the Reading Required.

1. The Latin reading required of candidates, without regard to the prescription of particular authors and works, shall be not less *in amount* than Cæsar, Gallic War, I–IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Æneid, I–VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and De Senectute), and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Æneid), and Ovid (Metamorphoses, Fasti, and Tristia).

II. Subjects and Scope of the Examinations.

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Æneid, I, II, and either IV or VI at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowl-

edge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

Suggestions Concerning Preparation.

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and the position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from

dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

On the basis of the above Report the examinations will be grouped as follows:

I. Two Years of Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of five exercises a week for two years. It will include translation from Cæsar's Gallic War, Book I, easy sight passages, and Grammar and Composition.

This examination is designed to meet the needs of such candidates for the degree of Bachelor of Science as offer only two years of Latin.

II. Elementary Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of five exercises a week for at least three years. It will include translation of prose at sight, Cicero, as indicated above in Section II, Article 2, and Grammar and Composition.

III. Advanced Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of

five exercises a week for at least four years. It will cover the work outlined in Section II of the Report.

GREEK

I. Elementary Greek.

Candidates presenting this subject should be able to translate at sight simple Attic prose, and should possess a thorough mastery of ordinary Greek inflections, principles of syntax, and idioms, involving the ability to write simple Attic prose. To attain the required proficiency, a student should have studied Greek two years, in a systematic course of five exercises a week, including the reading of four books of Xenophon's Anabasis or an equivalent, thorough study of Grammar, and considerable practice in writing Greek sentences involving ordinary idioms and constructions.

II. Advanced Greek.

Candidates presenting this subject should be able to translate at sight passages from Homer, as well as from Attic prose, and should be well grounded in the epic dialect, the prosody of Homer and the general features of Homeric life. They should also be able to translate into Attic prose simple English passages of connected narrative. These requirements involve, in addition to the course in Elementary Greek, a third year of study, with exercises five times a week, and necessitate the reading of additional Attic prose and of at least the first three books of the Iliad or an equivalent, and practice in the writing of connected passages of Attic prose.

Students admitted without Greek may begin the study of Greek in the Freshman year and go on to the regular courses in that language.

ENGLISH

The study of English in school has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

Grammar and Composition. The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary-school period. Written exercises may well comprise letter writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether written or oral.

Literature. The second object is sought by means of two lists of books, headed respectively *Reading* and *Study*, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and be encouraged to commit to memory some of the more notable passages in both verse and prose. As an aid to

literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

A. Reading

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

For 1916–1919.

Group I. Classics in Translation. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books i–v and xv–xvii; the Iliad, with the omission, if desired, of Books xi, xiii, xiv, xv, xvii, xxi; Vergil's Æneid. The Odyssey, Iliad and Æneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

Group II. Shakespeare: Midsummer Night's Dream; Merchant of Venice; As You Like It; Twelfth Night; The Tempest; Romeo and Juliet; King John; Richard II; Richard III; Henry V; Coriolanus; Julius Caesar;* Macbeth;* Hamlet.*

Group III. Prose Fiction. Malory: Morte d'Arthur (about 100 pages); Bunyan: Pilgrim's Progress, Part I;

* If not chosen for study under B.

Swift: Gulliver's Travels (voyages to Lilliput and to Brobdignag); Defoe: Robinson Crusoe, Part I; Goldsmith: Vicar of Wakefield; Frances Burney: Evelina; Scott's Novels: any *one;* Jane Austen's Novels: any *one;* Dickens' Novels: any *one;* Thackeray's Novels: any *one;* George Eliot's Novels: any *one;* Mrs. Gaskell: Cranford; Kingsley: Westward Ho! or Hereward, the Wake; Reade: The Cloister and the Hearth; Blackmore: Lorna Doone; Hughes: Tom Brown's School Days; Stevenson: Treasure Island or Kidnapped or Master of Ballantrae; Cooper's Novels: any *one;* Poe: Selected Tales; Hawthorne: The House of the Seven Gables or Twice Told Tales or Mosses from an old Manse; A collection of Short Stories by various standard writers.

Group IV. Essays, Biography, etc. Addison and Steele: The Sir Roger de Coverley Papers or Selections from the Tatler and Spectator (about 200 pages); Boswell: Selections from the Life of Johnson (about 200 pages); Franklin: Autobiography; Irving: Selections from the Sketch Book (about 200 pages) or Life of Goldsmith; Southey: Life of Nelson; Lamb: Selections from the Essays of Elia (about 100 pages); Lockhart: Selections from the Life of Scott (about 200 pages); Thackeray: Lectures on Swift, Addison, and Steele in the English Humorists; Macaulay: Any *one* of the following essays: Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay; Trevelyan: Selections from the Life of Macaulay (about 200 pages); Ruskin: Sesame and Lilies or Selections (about 150 pages); Dana: Two Years Before the Mast; Lincoln: Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman: The Oregon Trail; Thoreau: Walden; Lowell: Selected Essays (about

150 pages); Holmes: The Autocrat of the Breakfast Table; Stevenson: An Inland Voyage and Travels with a Donkey; Huxley: Autobiography and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; A Collection of Essays by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; A Collection of Letters by various standard writers.

Group V. Poetry. Palgrave: Golden Treasury (First Series): Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave: Golden Treasury (First Series): Book IV, with special attention to Wordsworth, Keats and Shelley (if not chosen for study under B); Goldsmith: The Traveller and The Deserted Village; Pope: The Rape of the Lock; A Collection of English and Scottish Ballads, as, for example, some Robin Hood ballads, The Battle of Otterburn, King Estmere, Young Beicham, Bewick and Grahame, Sir Patrick Spens, and a selection from later ballads; Coleridge: The Ancient Mariner; Byron: Childe Harold, Canto III or IV, and The Prisoner of Chillon; Scott: The Lady of the Lake, or Marmion; Macaulay: The Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivry; Tennyson: The Princess, or Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning: Cavalier Tunes, The Lost Leader, How they Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus; Arnold: Sohrab and Rustum, and The Forsaken Merman; Selections from American Poetry,

with special attention to Poe, Lowell, Longfellow, and Whittier.

B. Study

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

Group I. Drama. Shakespeare: Julius Cæsar, Macbeth, Hamlet.

Group II. Poetry. Milton: L'Allegro, Il Penseroso, and either Comus or Lycidas; Tennyson: The Coming of Arthur, The Holy Grail, and The Passing of Arthur; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's Golden Treasury (First Series).

Group III. Oratory. Burke: Speech on Conciliation with America; Macaulay's Speech on Copyright and Lincoln's Speech at Cooper Union; Washington's Farewell Address and Webster's First Bunker Hill Oration.

Group IV. Essays. Carlyle: Essay on Burns, with a selection from Burns' Poems; Macaulay: Life of Johnson; Emerson: Essay on Manners.

Examination. However satisfactory in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which will be on grammar and composition, and the other on literature.

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of

these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn chiefly from the books read.

An examination in literature will include:

A. General questions designed to test such a knowledge and appreciation of literature as may be gained by fulfilling the requirements defined under A. READING above. The candidate will be required to submit a list of books read in preparation for the examination, certified by the principal of the school in which he was prepared; but this list will not be made the basis of detailed questions.

B. A test on the books prescribed for study, which will consist of questions upon their form, content, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning lives of the authors, their other works, and the periods of literary history to which they belong.

MATHEMATICS

I. ELEMENTARY MATHEMATICS.

(1) Algebra. Through equations of the second degree.

Although candidates are not examined in Arithmetic, a thorough knowledge of its fundamental principles is an essential part of a preparatory course. This subject should not be neglected by candidates.

The required work in Algebra should ordinarily cover two years' work of five recitations per week, and includes the following subjects: Factors, fractions, ratio and proportion; negative quantities and interpretation of negative results; a thorough knowledge of radicals and the solution of equations involving radicals, fractional and negative exponents; the binomial theorem for positive integral exponents; extraction of roots; the solution of equations with one or more unknowns, whether of the first or second degree, and with literal as well as numerical coefficients, and of problems leading to such equations; arithmetical and geometrical progression.

It is recommended that the student familiarize himself with the solution of simultaneous equations of two or three unknowns, that he be able to solve quadratics at sight, either by factorization or by formula, and that he learn to draw the graphs of linear and quadratic equations of two unknowns.

(2) Plane Geometry. The required work in plane geometry should extend throughout one year of five recitations per week.

The theorems and constructions as found in good textbooks: The properties of plane rectilinear figures; the circle, and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. A large part of the time should be given to original demonstrations of exercises, and this should be insisted upon as a part of the required work in the course.

II. Advanced Mathematics.

(1) Algebra, including choice, chance, theory of limits, the binomial theorem for negative and fractional expo-

nents, logarithms, series, determinants, graphs, derivatives, and the theory of equations.

(2) Solid Geometry, as represented by the ordinary college text-books. Candidates should be able to solve readily problems of solid mensuration and to demonstrate original theorems that may be deduced easily from the text.

(3) Plane Trigonometry, as represented by the usual text-books. Candidates must be familiar with the theory and use of six-place logarithmic tables.

FRENCH

*The admission requirements in elementary and advanced French are those recommended by the Modern Language Association of America.

I. Elementary French.

The work to be done during the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproduc-

*See page 104 for entrance requirements and for requirements in college.

ing from memory sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, of pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: About's "Le roi des montagnes," Bruno's "Le tour de la France," Daudet's easier short tales, La Bédollière's "La Mère Michel et son chat," Erckmann-Chatrian's stories, Foa's "Contes biographiques" and "Le petit Robinson de Paris," Foncin's "Le pays de France," Labiche and Martin's "La poudre aux yeux" and "Le voyage de M. Perichon," Legouvé and Labiche's "La cigale chez les fourmis," Malot's "Sans famille," Mairet's "La tâche du petit Pierre," Mérimee's "Colomba," extracts from Michelet, Sarcey's "Le siège de Paris," Verne's stories.

II. Advanced French.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter

read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's "Le gendre de M. Poirier," "Béranger's poems," Daudet's "La Belle-Nivernaise;" Corneille's "Le Cid" and "Horace," Coppée's poems, Le Brète's "Mon oncle et mon curé," Madame de Sévigné's letters, Hugo's "Hernani" and "La Chute," Labiche's plays, Loti's "Pêcheur d'Islande," Mignet's historical writings, Molière's "L'Avare," and "Le Bourgeois Gentilhomme," Racine's "Athalie," "Andromaque" and "Esther," Thier's "L'expédition de Bonaparte en Egypte," George Sand's plays and stories, Sandeau's "Mademoiselle de la Seiglière," Scribe's plays, Thierry's "Recits des temps mérovingiens," Vigny's "La canne de jonc," Voltaire's historical writings.

GERMAN

*The admission requirements in elementary and advanced German are those recommended by the Modern Language Association of America.

I. Elementary German.

The first year's work should comprise: (1) careful drill upon pronunciation; (2) memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs, also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order;

*See page 104 for entrance requirements and for requirements in college.

(4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in reproducing natural forms of expression; (5) the reading of 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in reproducing from memory sentences previously read.

The second year's work should comprise: (1) the reading of 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in translating into German easy variations upon the matter read, also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of grammar, directed to the end of enabling the pupil, first, to use his knowledge with facility in forming sentences, and second, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen, *Märchen* and *Bilderbuch ohne Bilder;* Arnold, *Fritz auf Ferien;* Baumbach, *Die Nonna* and *Der Schwiegersohn;* Gerstäcker, *Germelshausen;* Heyse, *L'Arrabbiata, Das Mädchen von Treppi,* and *Anfang und Ende;* Hillern, *Höher als die Kirche;* Jensen, *Die braune Erica;* Leander, *Träumereien* and *Kleine Geschichten;* Seidel, *Märchen;* Stökl, *Unter dem Christbaum;* Storm, *Immensee* and *Geschichten aus der Tonne;* Zchokke, *Der zerbrochene Krug.*

The best shorter plays available are: Benedix, *Der Prozess, Der Weiberfeind,* and *Günstige Vorzeichen;* Elz, *Er ist nicht eifersuchtig;* Wichert, *An der Majorsecke;* Wilhelmi, *Einer muss heiraten.* Only one of these plays

need be read, and the narrative style should predominate. A good selection of reading matter for the second year would be Andersen, *Märchen*, or *Bilderbuch*, or Leander, *Träumereien*, to the extent of about forty pages. Afterward, such a story as *Das kalte Herz*, or *Der zerbrochene Krug;* then *Höher als die Kirche*, or *Immensee;* next a good story by Heyse, Baumbach, or Seidel; lastly *Der Prozess.*

II. Advanced German.

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with especial reference to the infinitive and subjunctive), and likewise upon word order and word formation.

Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach, *Die Freiherren von Gemperlein;* Freytag, *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*, for example *Karl der Grosse*, *Aus den Kreuzzügen*, *Doktor Luther*, *Aus dem Staat Friedrichs des Grossen;* Fouqué, *Undine;* Gerstäcker, *Irrfahrten;* Goethe, *Hermann und Dorothea* and *Iphigenie;* Heine's poems and *Reisebilder;* Hoffman, *Historsiche Erzählungen;* Lessing, *Minna von Barnhelm;* Meyer, *Gustav Adolfs Page;* Moser, *Der Bibliothekar;* Riehl, *Novellen*, for example *Burg Neideck*, *Der Fluch der Schönheit*, *Der stumme Ratsherr*, *Das Spielmannskind;* Rosegger, *Waldheimat;* Schiller, *Der Neffe als Onkel*, *Der*

Geisterseher, Wilhelm Tell, Die Jungfrau von Orleans, Das Lied von der Glocke, Balladen; Scheffel, *Der Trompeter von Säkkingen;* Uhland's poems; Wildenbruch, *Das edle Blut.* A good selection would be: (1) one of Riehl's novelettes; (2) one of Freytag's "pictures"; (3) part of *Undine* or *Der Geisterseher;* (4) a short course of reading in lyrics and ballads; (5) a classical play by Schiller, Lessing, or Goethe.

CHEMISTRY

The examination in this subject implies an acquaintance by recitation and laboratory work with elementary processes and with the properties of common chemical substances; also a familiarity with the chemical notation in its arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations.

The requirements in this subject include the study of both metals and non-metals, and may be met by the use of any good elementary text-book and laboratory manual, and the presentation of a satisfactory laboratory certificate describing the work done.

PHYSICS

The student must present satisfactory evidence that he has completed a year's work in Physics based upon a standard text-book (Carhart and Chute's, Millikan and Gale's, and Gage's are recommended). The course must include at least one two-hour laboratory period per week. To receive credit in Physics a laboratory certificate describing the work done must be presented. At least forty experiments should be performed.

BIOLOGY

One year's work in Biology may be offered for one unit in the preparatory course. The year's work should be equivalent to at least one hundred one-hour exercises, consisting of at least one-half laboratory work. A laboratory certificate describing the work done must be presented. The course may consist of one year's work in Zoölogy, or one year's work in Botany, or one-half year's work in each.

It is desirable that considerable field work be done; that the animals and plants be studied in their natural environment. A large amount of data, obtained through accurate observation out-of-doors, forms the best foundation for the work to be accomplished in the laboratory and recitation room.

It is more important that a relatively small amount of laboratory work be carefully and thoroughly accomplished by proper laboratory methods, than that a large amount of ground be covered in a superficial and unscientific manner.

For a year's work in Zoölogy, the following texts—supplemented with such laboratory work as time and text would require—are approved: General Zoölogy, by Linville and Kelley; Zoölogy, Descriptive and Practical, by Colton; Introduction to Zoölogy, by Davenport.

For one-half year's course in Zoölogy: Animal Life, by Jordan and Kellogg; Animal Forms, by Jordan and Heath; Practical Zoölogy, by Davison.

For a year's course in Botany: Plants, by Coulter; Elements of Botany, by Bergen; Introduction to Botany, by Stevens.

For a one-half year's course in Botany: such parts—selected by instructor—of one of the above texts, as can be properly handled in the time.

HISTORY

United States History and Civics.

The student should have a general knowledge of the colonization of the several states, the forms of government that existed previous to the War of Independence, the causes and principal events of that war, the Period of the Confederation and the establishment of the Federal Constitution with the general history subsequent to that event.

English History.

In this subject a general knowledge of the social and political development of England is expected of the student. This applies in particular to the centuries subsequent to the Norman conquest and to the movements that culminated in the creation of a British Empire and of a limited monarchy.

Ancient History, Greek and Roman.

The student should know the main facts respecting the political development of Greece and the Roman Republic and Empire, and should possess a general acquaintance with Greek and Roman life, literature and art.

DEGREES

Students are admitted to Bates College as candidates for the degree either of Bachelor of Arts or of Bachelor of Science. The degree of Bachelor of Arts is regularly conferred upon those that have included among their courses one year of college Latin. In exceptional cases the degree may be conferred also upon students that have not taken Latin, but, beginning Greek in college, have

continued the study of the same through Courses 1 and 2. Students that pursue neither Latin nor Greek receive the degree of Bachelor of Science. Young women admitted to Bates must offer adequate preparation in Latin, and they are enrolled as candidates for the degree of Bachelor of Arts.

ADMISSION GROUPS

To show clearly the requirements for admission the following grouping of the preceding subjects is made. Candidates for admission to the Freshman Class must show adequate preparation in all the subjects of Group I and in enough of Group II to make a total of 14½ units. To count a unit a subject must be pursued for one school year of thirty-six weeks with five recitation periods per week.

A.B. Course—*Group I*

	Units
English, A and B, (3 years),	3
*Latin	3
Algebra	1½
Plane Geometry	1
†History	1
Total required	9½

B.S. Course—*Group I*

	Units
English, A and B, (3 years),	3
Modern Language	2
Algebra	1½
Plane Geometry	1
†History	1
Total required	8½

*Though three years of Latin will be accepted for admission to the course leading to the degree of Bachelor of Arts, the candidate is strongly urged to present four years All that present three years only will be required to take two full years of Latin while in college in order to qualify for the above-mentioned degree. See page 17 for a statement about the required college courses in Latin.

†In presenting History for admission, the candidate has the option of presenting either one full year of one History or a half-year of each of two.

A.B. Course—*Group II*	Units	B.S. Course—*Group II*	Units
Elementary Greek	2	Two years of Latin	2
Advanced Greek	1	Elementary Latin	3
Advanced Latin	1	Advanced Latin	1
Elementary French	2	Elementary Greek	2
Advanced French	1	Advanced Greek	1
Elementary German	2	Elementary French (if not offered in Group I)	2
Advanced German	1	Advanced French	1
Chemistry (including note-book)	1	Elementary German (if not offered in Group I)	2
Physics (including note-book)	1	Advanced German	1
Biology (including note-book)	1	Chemistry (including note-book)	1
†General Science	1	Physics (including note-book)	1
Advanced Algebra	½	Biology (including note-book)	1
Solid Geometry	½	†General Science	1
Plane Trigonometry	½	Advanced Algebra	½
‡Greek History and Roman History	½ or 1	Solid Geometry	½
American History and Civil Government	½ or 1	Plane Trigonometry	½
English History	½ or 1	American History	½ or 1
†Bible Study	1	‡Greek History and Roman History	½ or 1
		English History	½ or 1
		†Bible Study	1
		*Free Hand Drawing	½
		*Mechanical Drawing	½
Total elective	5	Total elective	6

*Accepted only from schools fully equipped for work of this character.

†Accepted only upon evidence that it represents serious work and sound methods.

‡Whenever History is offered by the candidate, his Principal should state definitely whether the subject has been studied in a full year's, or a half year's course.

Candidates for the degree of Bachelor of Arts must present in addition to Group I a selection of subjects from Group II aggregating five units according to the valuation there indicated. This selection must include either Elementary Greek, Elementary French, or Elementary German.

Candidates for the degree of Bachelor of Science must present in addition to Group I a selection of subjects from Group II aggregating six units according to the valuation there indicated.

A FREE MARGIN OF ELECTIVES

In special cases, other secondary school subjects, aggregating not more than two units, will be accepted. Candidates for admission that wish to avail themselves of this privilege, must present from their Principals full statements both of the amount and of the quality of work done in such subjects. Only subjects that require serious intellectual efforts will be considered.

THE METHODS OF ADMISSION

All candidates for admission must present evidence of sound moral character, of an approved school course satisfactorily complete, and of sufficient maturity and ability to do college work.

THE TWO PLANS OF EXAMINATIONS

I. The Old Plan of Examinations.

To secure admission under this plan, the examination of the candidate must show adequate preparation in the subjects prescribed on page 37, and in enough of the elec-

tive subjects listed on page 38 to be credited with a total of fourteen and one-half units.

Candidates that meet in full these requirements are admitted to regular standing. Candidates that fail to meet in full the requirements indicated above may be admitted under conditions which must be removed later by complying with certain regulations under the direction of the Committee on Registration. In admitting students with conditions, each case is settled on its merits. Ordinarily, however, a condition of more than two units is not granted.

II. The New Plan of Examinations.

To be admitted under this plan a candidate

(1) Must present evidence of an approved school course satisfactorily completed; and

(2) Must show in four examinations as explained below that his scholarship is of a satisfactory quality:

SCHOOL RECORD

A candidate must present to the Committee on Admission evidence of his secondary school work in the form of an official detailed statement showing

(a) The subjects studied by him and the ground covered.

(b) The amount of time devoted to each.

(c) The quality of his work in each subject.

To be approved, this statement must show

(a) That the candidate's secondary school course has extended over four years.

(b) That his course has been concerned chiefly with languages, mathematics, and history.

(c) That the English and Latin of his school program,

if he is a candidate for the A.B., have been pursued for not less than the equivalent of five periods per week for three years; the English for three years, and the French or German for two years, if he is a candidate for the B.S. The candidate for the A.B. is advised to offer four years of Latin if possible; and the candidate for the B.S. is advised to offer three years of French or German if possible.

THE EXAMINATIONS

If the official detailed statement presented by the candidate shows that he has satisfactorily completed an approved secondary school course, he may present himself for examinations in four subjects as follows:

For the A.B.	*For the B.S.*
1. English	1. As for the A.B.
2. Latin	2. Either French or German.
3. Mathematics (Algebra and Plane Geometry).	3 and 4. As for the A.B.
4. One of the following subjects:	
(a) Chemistry.	
(b) Physics.	
(c) History: either	
(1) Greek and Roman, or	
(2) American, or	
(3) English.	

These four examinations must be taken at one time, either in June or in September. Candidates who show by their school records and college examinations that they have the ability to take advantage of college work and college methods, will be admitted without conditions.

If a candidate is not admitted, it will mean that his school record and college examinations do not show a scholarship adequate for college work.

ADMISSION BY CERTIFICATE

Graduates of schools approved by the New England College Entrance Certificate Board are admitted without examination. The colleges associated in this Board are Amherst, Bates, Boston University, Bowdoin, Brown University, Colby, Massachusetts Agricultural, Middlebury, Mount Holyoke, Smith, Tufts, University of Vermont, Wellesley, Wesleyan University, Williams.

Certificates are passed upon by the individual colleges above named. All schools in New England desiring the certificate privilege should apply to the Secretary of the Board, Professor Frank W. Nicolson, Wesleyan University, Middletown, Conn., before April 1st. Schools outside of New England desiring the certificate privilege should apply to the Registrar of Bates College, Roger Williams Hall, Lewiston, Maine.

Certificates should meet the requirements in full, but certificates covering eight units of the requirements will be accepted and the candidates will be examined on the remaining units. Candidates offering certificates for less than eight units of the requirements must be examined in full. Candidates that have taken preparatory work in more than one school must be certified by the principal of each of the schools in which they have taken work.

Blanks for certificates will be furnished by the Registrar of the College. School diplomas will not be accepted in place of certificates. Certificates that candidates have met the entrance requirements of another college will ordinarily be accepted, provided they cover the usual

subjects, or their equivalents, required for admission to Bates College.

ADMISSION BY CERTIFICATE OF EXAMINATIONS

Academic diplomas issued by the Regents of the University of the State of New York are accepted in all required subjects covered by them.

Certificates of the New York State Examination Board are accepted.

Certificates of the College Entrance Examination Board are accepted.

ADMISSION FROM OTHER COLLEGES

Students from other colleges seeking admission to Bates must present the following credentials: a letter of honorable dismissal, a statement of method of admission, an official statement in detail of studies taken by terms or semesters, with standing in the same, the exact number of terms of attendance, and a marked catalogue of the institution, showing each subject that has been completed.

DATES OF EXAMINATIONS FOR ADMISSION

The regular examinations for admission to Bates begin on Tuesday, September 24, at 8.00 o'clock A.M., in Room 1, Hathorn Hall. Arrangements may be made for taking examinations at the student's own school beginning on the first Monday in June. Principals, wishing thus to assume the responsibility of the examinations, should register their requests for examination papers, stating the subjects and the number of papers required in each,

with the Chairman of the Committee on Entrance Examinations, Professor F. A. Knapp, 32 Mountain Ave., Lewiston, Maine, not later than May 25. Examinations will not be held at the College in June.

SCHEDULES OF EXAMINATIONS

JUNE EXAMINATIONS

(In the Schools)

Time	*Monday*	*Tuesday*	*Wednesday*	*Thursday*
8.30–10.30	American History	English History	English	Physics
10.30–12.30	Greek and Roman History	French	Chemistry	German
2.00– 4.00	Latin	Algebra	Plane Geometry	Solid Geometry

Principals may give examinations in other subjects at their convenience on any of the days specified above.

SEPTEMBER EXAMINATIONS

(At the College)

Time	*Tuesday*	*Wednesday*
8.00–10.00	History, Solid Geometry	Chemistry or Physics
10.00–12.00	French	English
1.30– 3.30	Algebra	Plane Geometry
3.30– 5.30	Latin	German

Other subjects may be arranged for by consulting the examiner at the time of the History examination.

COURSES OF INSTRUCTION

Most of the work of the Freshman year is required. Some electives are introduced in the second semester of the Freshman year and are increased in number with each succeeding semester. The essentials of a liberal education are constantly kept in view and the attainment of knowledge is made tributary to the love of study, the habit of investigation, and the tastes and aptitudes of the scholar. The individuality of students is recognized and encouraged without the sacrifice of breadth and thoroughness. Class-room work is supplemented by original observation and research and by a systematic use of the College Library.

While in every department the cultural aim is held constant and controlling, the culture sought is of the kind that pays tribute to life. While not mistaking itself for a professional school or a technical school, the College seeks to make all its instruction practical. Each teacher remembers that forty-three out of every hundred of Bates graduates become educators, and strives to exemplify the best Pedagogy. A semester course of one hour a week is devoted to methods of teaching each secondary school subject in which advanced work is done in the College. In addition, the Professor of Education gives carefully planned courses that, while thoroughly cultural, ensure to those pursuing them a teacher's certificate of the first class from State Boards of Education. In like manner, the courses in Elocution and in English, especially the courses in Argumentation, prove of great value to graduates who engage in public speaking and, in particular,

to those who practice Law; while the course in Rhetoric and the practical training in Composition afford an admirable preparation for Journalism. So, also, the courses in Biblical Literature and Religion, while having a choice cultural value, are a substantial aid to students contemplating the Christian Ministry. The thorough courses in Chemistry meet the requirements of the best Medical Schools, and those in Biology receive equal recognition. The work in Mechanics, in Electricity and Magnetism, and in the Elements of Electrical Engineering, assures to the general student of these subjects an intelligent acquaintance with the great natural forces of the industrial world and enables the prospective engineer to gain, at comparatively slight cost, advanced standing in such a school of applied science as the Massachusetts Institute of Technology.

Students wishing to enter Medical Schools after completing two years' work in Bates College must present the complete admission requirements as in the case of students matriculating for the A.B. or B.S. degree. The purpose of such students to pursue a medical course after completing the necessary college work must be attested by a written statement from their parents, or their guardian. A change to regular standing may be made only by special vote of the faculty. Such students are required to take work in Biology, Chemistry, Physics, French or German, and may elect one course in some other language.

I. ASTRONOMY

1, 2. General Astronomy. A descriptive and reasoned course concerning the heavenly bodies: their motions, real and apparent; their dimensions and masses; their nature and physical condition; their influences upon one another; and their services to man.

Three hours. Through the year. Elective for Juniors and Seniors.

II. BIBLICAL LITERATURE AND RELIGION

1. The Bible as Literature. An introduction to the Bible as a part of world literature. The aim is to lead the student into a new appreciation of the literary beauty of the Bible, and to teach a method of study that will enable one to understand the messages of the world's greatest book.

Three hours. Second semester. Elective for Freshmen.

2, 3. History of Religions. A study of the religions of China, Japan, Egypt, Babylonia, Assyria, India, Persia, Greece, and Rome, during the first semester; and of Judaism, Mohammedanism, and Christianity, during the second semester.

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors.

4, 5. Old Testament Literature. The origin, growth and messages of the books of the Old Testament. The main divisions of the course for the year are as follows: the historical background of Hebrew literature, including a consideration of the monumental discoveries in the orient, which have thrown light on the Bible; the

prophets in their historical setting, with a special study of their distinctive messages; the poetical books, especially the Psalms; the Wisdom books, especially Job.

Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1918–1919.

[6, 7. New Testament Literature. This course covers the following topics: the historical circumstances in which the books of the New Testament originated; study of the letters of Paul in the light of their historical setting; critical study of the first three Gospels; the post-Pauline literature; the Johannine literature, with a careful interpretation of the Book of Revelation and the Gospel of Saint John; why and when these documents came to be considered sacred.

Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1917–1918.]

8, 9. Hebrew Language. The elements of the language, and a translation of parts of the historical books of the Old Testament.

Three hours. Through the year. Elective for Juniors and Seniors.

10, 11. Advanced Hebrew. Translation of selections from the Prophets and the Psalms.

Three hours. Through the year. Elective for Seniors.

III. BIOLOGY

GENERAL BIOLOGY

1. General Biology. This course deals with the general principles of the subject—life, growth, reproduction, irritability, elementary embryology, fundamental struc-

tural characteristics of both plants and animals, and with such topics as immunity and heredity. Instruction is given by means of recitations and laboratory work. Field work constitutes an important part of the course. Trips are taken into the surrounding country for the purpose of collecting and studying both plants and animals in their natural environment.

The aim of this course is to deal extensively with fundamentals; emphasizing the cultural aspects of the subject and the importance of accurate observation.

Two one-hour periods and one two-hour period. Second semester. Elective. This course should be taken by any one who plans to do further work in this department.

BOTANY

1. Morphology, Ecology and General Classification of the Plant Kingdom. The work of the course comprises recitations, lectures and laboratory exercises. A study is made of the principles upon which modern classification is based. Type specimens representing the various groups and sub-divisions of the vegetable kingdom are studied with respect to their distinctive characteristics, structure, etc., together with a consideration of the interrelations of the groups. In the laboratory the student studies and sketches most of the specimens taken up in recitations.

The purpose of this course is twofold: (1) to give the student a knowledge of the structure and functions of representative types of the plant kingdom, and how these types are related to one another from an evolutionary viewpoint; (2) to continue the training in methods of

precision and accuracy in observation so essential to all scientific work.

Two one-hour periods and one two-hour period. First semester. Elective. Biology 1 prerequisite.

2. Morphology, Physiology and Ecology of Flowering Plants. The method of instruction in this course is: (1) recitations upon the above subjects, as they are developed by a study of the text-book, by lectures and in laboratory work; (2) laboratory exercises, in which a careful study is made of the morphology of the various parts of the plant body. The seeds, roots, stems, leaves, flowers and fruits are taken up in succession. The structure and relation of these parts to the life processes of the plant are recorded in the laboratory note-book, by means of drawings and descriptive notes. Sufficient time is given to flower analysis, so that each student has such practice as will make him familiar with the method of work. Considerable attention is given to field work.

The aim of this course is to give the student a general yet comprehensive knowledge of the life-processes and structure of the flowering plants.

Two one-hour periods and one two-hour period. Second semester. Elective. Biology 1 prerequisite.

ZOÖLOGY

1, 2. General Principles of Zoölogy; and Morphology, Ecology and General Classification of Invertebrate Animals. Instruction is given by recitations and laboratory work. These courses aim to teach, first, the general principles of the subject, its history and subdivisions, the structure, development and functions of cells, tissues and organs, general embryology, etc.; second, the

outlining of the principal groups of the animal kingdom, studying their ecology and morphology. The laboratory work is confined to representatives of the chief groups of invertebrates. Typical forms are studied microscopically or dissected, and careful drawings with descriptive notes must accompany the laboratory work.

Two one-hour recitation periods and one two-hour laboratory period. First semester. One one-hour recitation period and two two-hour laboratory periods. Second semester. Elective. Biology 1 prerequisite.

3, 4. Comparative Anatomy of Vertebrates. Instruction in this course is given chiefly by laboratory exercises and lectures. Type representatives of the different classes of Vertebrata are very thoroughly dissected and studied in a comparative way, from the lower forms to the higher. All observations and records are kept by means of drawings and notes. The course is intended especially for those who are particularly interested in biological science, or in the study of anatomy and medicine.

Three two-hour periods. Through the year. Elective. Biology 1, Zoölogy 1 and 2 prerequisites.

5, 6. Microscopic Technique, Histology, and Embryology. In these courses instruction is given by lectures, recitations and laboratory work. A study is made of the parts and use of the compound microscope, together with laboratory work upon the more essential methods of investigation. This involves practical work upon an invertebrate animal and the different tissues of vertebrates. The student experiments with the important methods of fixing, hardening, staining, dehydrating, clearing, imbedding, sectioning, and mounting objects for microscopic study.

Further, the student is introduced to the general subject of animal histology, by a careful study of the above preparations.

Three two-hour periods. Through the year. Elective. Biology 1, Zoölogy 1, 2, 3, and 4 prerequisites.

7. Genetics. The work in genetics is divided into two distinct courses:

7a. Heredity. In this course an attempt is made to summarize the general field of heredity by means of recitations, lectures, and discussions on library work. Believing that the subject of heredity is of great interest to, and should concern, everybody, an endeavor is made to take up the introductory work of this course in such a manner as to make it possible for the student without previous biological training to do the work.

Two hours. First semester. Elective for Seniors.

7b. Experimental Breeding. A laboratory course, in which each student carries on several series of breeding experiments with some form that reproduces rapidly; drosophilia, mice, guinea pigs, and rabbits are now being used.

One two-hour period. First semester. Elective. Zoölogy 1, 2, 3, and 4 prerequisites.

ORNITHOLOGY

1. Considerable attention is given to the study of Ornithology, apart from that of general zoölogy. In the first semester twelve lectures are given to the Freshman Class on the characteristics of birds—peculiarities of physical structure, flight, utility, song, beauty, intelligence, and migration; on the fossil, sub-fossil, and extinct

birds, and on classification. The last lecture is devoted to the winter birds of Maine. This lecture is preparatory to the work to be done by the class during the winter. Prizes are given to the members of the class that report the longest list of birds observed and carefully identified between the first of December and middle of March. Two prizes are also given to the class for the best winter sketches of not more than two thousand words each.

2. In the twelve lectures given in the spring all the species of the inland birds of Maine are described and the mounted specimens are shown to the class. Four times a week, from the last of March to the middle of June, the members of the Freshman class make early morning excursions of one hour and a half to the fields and woods in search of the birds. From 75 to 130 different species are recognized in one year by the careful observers.

IV. CHEMISTRY

Instruction in this department includes lectures, recitations and laboratory work, and continues through the Freshman, Sophomore, Junior, and Senior years. The study begins with lectures and recitations on the non-metallic elements and their compounds, and in connection with these subjects the elements of Theoretical Chemistry are taught, and the students are given practice in the solution of a variety of chemical problems.

1. Inorganic Chemistry, the non-metals. This course is devoted to the elementary principles of the science. It deals with the nature and properties of a few common elements and the application of the fundamental laws and

theories concerning their combination. Recitations, experimental lectures, and laboratory work.

Two recitation periods and one two-hour laboratory period. First semester. Elective for Freshmen and Sophomores.

2. General and Experimental Chemistry. A continuation of course 1, dealing largely with the metallic elements and including a few of the more common carbon compounds. Recitations and lectures, with laboratory work.

Two recitation periods and one two-hour laboratory period. Second semester. Course 1 prerequisite.

3. Qualitative Analysis. An inductive course of basic and acid analysis. Laboratory work, with lectures upon the methods and theories involved. It includes the separation of a large number of mixed compounds.

Three two-hour periods. First semester. Courses 1 and 2 prerequisites.

4. Organic Chemistry. An introduction to the study of the compounds of carbon, covering the methane and benzene series and their derivatives. This course deals with the preparation and chemical properties of the more important classes of organic compounds. Lectures and laboratory work.

Three two-hour periods. Second semester. Course 3 prerequisite.

5. Quantitative Analysis. Lectures on the theories and principles of quantitative analysis. Laboratory practice in gravimetric and volumetric methods; separation and estimation of metals, acids, and water of crystallization.

Three two-hour periods. First semester. Courses 3 and 4 prerequisites.

6. Quantitative Analysis. A continuation of course 5, with additional work on alloys, ores, mineral waters, and foods, with various complex analyses and their applications.

Three two-hour periods. Second semester. Course 5 prerequisite.

[7. A Lecture and Reading Course. Historical and theoretical chemistry.

Two hours. First semester. Elective for Seniors. Not offered in 1917–1918.]

8. Industrial Chemistry. This course deals with all the industrial chemical processes by lectures and collateral reading. The laboratory work includes technical analyses and, when practical, a study of general operations on small scales. Texts: Thorp's Outlines of Industrial Chemistry, and Frap's Principles of Dyeing.

Three lectures and laboratory periods. Through the year. Elective for Seniors that have taken or are taking courses 5 and 6.

9. Sanitary Chemistry. This is a lecture and reading course dealing with the primary necessities of life—air, food, water, and shelter,—and the subjects closely related to them.

One hour. Second semester. Elective for Seniors and Juniors.

[10. Physiological Chemistry. Lectures and laboratory work. The chemistry of digestion is taken up, also the analysis of urine, blood, saliva, and gastric juice. This is followed by the detection of poisons and the action of strong drugs on the system.

Two exercises. Second semester. Elective for Seniors. Not offered in 1917–1918.]

11. Organic Preparations. A laboratory course in the synthesis and analysis of typical aliphatic and aromatic compounds.

Elective for Seniors. Through the year. Course 4 prerequisite.

V. ECONOMICS AND SOCIOLOGY

ECONOMICS

[1. The Economic Environment. A course designed to acquaint the student with the economic phases of modern social life. The historical background of our economic system will be sketched in broad outline. Chief attention will be given to the study of the outstanding features of the present economic system.

Three hours. Second semester. Not offered in 1917–1918.]

Course 1 is open to all students. Courses 2 and 3 constitute a unit, and course 2 will not be counted for credit until 3 is completed. Other courses in economics are open to students that have completed courses 2 and 3.

2. Principles of Economics. A systematic treatment of the cardinal principles of Economics. Theories of value and of distribution constitute the main subjects of study. This course emphasizes fundamental principles, but directs attention always to their bearing on current problems.

First semester. Three hours. Elective for Sophomores.

3. Current Economic Problems. A comprehensive treatment of selected economic problems, such as population, money, credit and banking, trusts, railroads, the tariff, socialism, and the relation of the government to business.

Three hours. Second semester.

4. Business Finance. A study of money, banking, credit, and commercial crises, with special attention to their relation to business operations; also of the organization and financing of industrial corporations and of foreign trade, and of the functions of the stock exchange.

Three hours. First semester.

[5. Labor Problems. A study of the wage system; the relations of employer and employee; labor organizations, their policies and methods; agencies of industrial peace; profit sharing and labor co-partnership; unemployment, etc.

Three hours. Second semester. Not offered in 1917–1918.]

6. Public Finance. This course covers the entire field of government finance, but lays chief emphasis on the subject of taxation. Attention will be given to: public expenditures; revenues; legislation and administration, and public credit. The problems of war finance will be fully treated.

Three hours. Second semester.

7. Business Organization and Control. This course aims to give the student a clear understanding of the general features of modern business, the forms of organization, and business administration. The problem of the government's relation to business will be carefully considered.

Three hours. First semester. Not offered in 1918–1919.

SOCIOLOGY

1. Principles of Sociology. This course will include a study of (1) the origin and development of soci-

ety; (2) existing society, the nature of association, the forces and laws which make social action possible, and social psychology; (3) the theories of progress considered with the view of working out definite principles to guide society in securing a higher degree of human well being.

Three hours. First semester. Elective for Juniors and Seniors.

[2. Applied Sociology. A discussion of certain social problems of modern life, with reference, on the one hand, to biologic and economic causes and, on the other hand, to policies and agencies directed toward the improvement of existing conditions.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1917–1918.]

3. Community Sociology. A study of modern community life, urban and rural with the purpose of seeing the means and methods employed to secure a wholesome social life, to note defects and possible means of improving the existing organization.

Three hours. Second semester. Elective for Juniors and Seniors.

VI. EDUCATION

The purpose of the following courses in Education is twofold: first, to acquaint the student with the general nature, function, and importance of education as one of the means employed by society for its own development; second, to give the student a clear conception of the educative process psychologically considered, and to help him to develop from such knowledge the principles of school administration and class-room method. Theory is emphasized for the sake of breadth of view and perspec-

tive, and always with the understanding that the test of theory is correct and effective practice. Inasmuch as the courses are designed to meet the requirements of the various States for the work in this department, Philosophy 2 is a prerequisite or parallel to Education 1, 2, and 3.

1. History of Education. In this course attention is given to the development of educational thought and practice, as these were determined by social, political, economic, and religious conditions in various nations and periods. The essential features of the educational thought of the past are stressed as a basis for an intelligent knowledge of present-day theory and practice.

Three hours. First semester. Elective for Juniors.

2. Principles and Problems of Secondary Education. This course deals with the meaning and scope of secondary education; the history of the secondary school; organization of the modern high school; characteristics and functions of the private secondary school; the problems of adolescence; moral and religious education; vocational education; hygiene and physical education; athletics; the reorganization of secondary education; a comparison of the aims, organization, administration and curricula that characterize the secondary school systems of France, Germany, England and the United States, with special reference to the social and political conditions affecting their development—all considered in relation to present-day problems in American secondary education.

Three hours. Second semester. Elective for Juniors.

3. Educational Psychology. This course is designed to present the facts, so far as they have been scientifically determined, concerning the nature and development of the mind during childhood and youth, with special refer-

ence to the meaning of these facts to the teacher. It seeks to provide the student with sound criteria for estimating theories about the mental life, and it serves to introduce him to the present state of knowledge regarding man's innate tendencies, attention, perception, memory, imitation, curiosity, the learning process, pract ce and fatigue, psychological tests, individual differences, etc.

Three hours. First semester. Elective for Seniors.

4. Educational Sociology. A study of the educational process as a whole. The biological, psychological and social factors in the educational situation are analyzed and related, both for their cultural value in giving insight into the school as an institution and for their practical worth in formulating fundamental principles. The following are among the topics considered: the five great agencies of civilization, the interdependence of the individual and society, powers and capacities of the individual, the advantages in educability, self-activity as defining the process of development, education and vocations, education and avocations, the social origin of the curriculum, the function and content of the curriculum, the implications of education.

Three hours. First semester. Elective for Seniors. Education 1 prerequisite.

5. Educational Administration. A course designed especially for students desiring to fit themselves for work as superintendents or supervisors. Such topics as the following are investigated and discussed: the relation of the national government to education; forms of educational control, state, municipal and private; the school board and its functions; business administration, with special reference to school sites and buildings, construction, heat-

ing, ventilation, lighting, etc.; the grading of pupils, promotions, examinations, records, etc.; the supervision of instruction; the training of teachers in service; compulsory education and child labor; special provision for exceptional types of pupils.

Three hours. Second semester. Elective for Seniors that have completed or are completing Education 2 and 6, or their equivalent.

6. School Management and Methods of Teaching. This course is made up of three parts. The aim of the first part is to give the student, in the light of accepted principles, a knowledge of the technique of school managment and organization that will enable him to secure the smooth and efficient working of his school. The following are among the topics discussed: system and organization, the problem of attention, routine and habit, the study hour, school incentives, offenses and penalties, and testing results.

The second part of the course involves both general and special methodology. This work is introduced by a series of discussions on the application of specific psychological principles. Instruction in special methodology is provided through the correlation of the work in the Department of Education with unit courses given in each of the following departments: English, French, German, History, Latin, Mathematics, Oratory, and Physics.

The third part of the course consists in the systematic observation of school management and class instruction in the high schools of Lewiston, Auburn, and neighboring towns. Written reports of these visits and observations are required periodically from each student in the course.

Three hours. Second semester. Elective for Seniors. Education 1 and 3 prerequisites.

Special Lectures. As in previous years, but beginning for the current college year in January, 1918, lectures on "Secondary School Athletics" will be given by specialists. Such subjects as the following will be presented: "Administration of Athletics in Secondary Schools"; "Athletics as a Personal Asset"; "Physical Education in High Schools."

VII. ENGLISH

1. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of paragraphing and exposition.

Three hours. First semester. Required of Freshmen.

2. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of description and narration.

Three hours. Second semester. Required of Freshmen.

When a student completes courses 1 and 2, he receives a provisional pass mark. If at any time later in his college course he is found to be deficient in his English, he is required to do additional work until such deficiencies are corrected.

3. Argumentation. A systematic study of the principles and practice of argumentation. Attention to the analysis of propositions, evidence, construction of the brief and the argument, the rebuttal, and the delivery of the argument. Class debates and weekly themes.

Three hours. First semester. Required of Sophomores.

4a. Literature and Composition. A study of the drama and the short-story. Review of the drama from Shakespeare to Galsworthy. Consideration of Ibsen,

Shaw, Synge, Maeterlinck, Wilde, and other contemporaries. The history and technique of the English and American short-story. Extensive reading and discussion of Kipling, O. Henry, Poe, Hawthorne, London, Maupassant, Stevenson, and others. Lectures, conferences, reports and themes.

Three hours. Second semester. Elective for Sophomores. This course alternates with English 4b.

4b. Literature and Composition. The study of exposition, narration and description. Criticism of representative essays in modern thought. Analysis and practice of the familiar essay. Required readings in Arnold, Newman, Huxley, Stevenson, Lamb, Pater, and Harrison. Technique of the novel. Review of Fielding, Jane Austen, Thackeray, and Meredith. Discussion of the material in the best current magazines. This course is intended to supplement English 1 and 2.

Three hours. Second semester. Elective for Sophomores. This course alternates with English 4a.

5. Advanced Argumentation. A review of the theory of argumentation. Inductive and deductive argument, fallacies, refutation. Preparation of briefs. Two periods each week given to debates of current economic, social, and political problems. Extemporaneous discussions. Weekly review of current events. Study of parliamentary law.

Three hours. Second semester. Elective for Sophomores.

6. American Literature. A study of the historical development of American Literature with special reference to contemporary movements in society, politics and religion. Lectures, discussions, and themes.

Three hours. Second semester. Elective for Sophomores.

7a. History of English Literature to the end of the Elizabethan Age.

b. The Drama. Lectures on the origin and development of the drama and its history from Aeschylus to Shakespeare. Critical study of selected plays of Shakespeare, with required reading of other works of the Elizabethan Age.

Four hours. First semester. Required of Juniors.

8. Literature of the Seventeenth and Eighteenth Centuries. Critical study of selected works of prose and poetry, with lectures on the literary history and biography of the period. Required reading of other works, with research in the Library, reports, abstracts, and discussion in class.

Four hours. Second semester. Elective for Juniors.

9. Lectures on Literary Criticism, with special reference to fiction. Reading of selected works of the Nineteenth Century. Investigation of topics in literary history and criticism. Current literature.

Four hours. First semester. Elective for Seniors.

10. English Literature of the Nineteenth Century. Special study of Tennyson and Browning.

Four hours. Second semester. Elective for Seniors.

11. Teacher's Course. Designed for those who expect to teach English in secondary schools.

Extra, one hour. Second semester.

SOPHOMORE PRIZE DEBATES

Preliminary Debates—All Sophomores are required to take part in these debates. A prize for excellence in debate is awarded in each division of the class.

First semester.

CHAMPION PRIZE DEBATE—The six speakers presenting the best arguments in the preliminary debates participate in the Champion Prize Debate; all other Sophomores present essays on a prescribed subject, in competition for a prize.

Second semester.

REQUIRED COMPOSITION WORK OF JUNIOR AND SENIOR YEARS

This work, in continuation of that done in courses 1 to 4, is required of all members of the Junior and Senior classes, whether they elect English or not. An essay is presented in each semester, as follows:

12[1]. THESES on subjects requiring extended investigation.
Junior year, second semester.

13[1]. ORIGINAL DECLAMATIONS ON ASSIGNED SUBJECTS. Each member of the Class reads his declamation before a committee, by whom the best twelve are selected for delivery in a prize contest on the evening before Ivy Day.
Junior year, second semester.

14[1]. ESSAYS in criticism of some classic in English or American fiction.
Senior year, first semester.

15[1]. ORIGINAL PARTS FOR THE SENIOR PRIZE SPEAKING. Each student reads his part before a committee, who choose twelve to speak in the Prize Contest.
Senior year, second semester.

16[1]. COMMENCEMENT PARTS. Every member of the class writes a part, but the Commencement speakers are chosen on the basis of scholarship.
Senior year, second semester.

VIII. FINE ARTS

A course designed to give the student the basis for an intelligent appreciation of the fine arts, Architecture, Sculpture, Painting and Music. Literature, since it already occupies so large a place in the curriculum, is introduced only for the sake of comparison and illustration. Each art is studied (1) for the sake of a historical background, and (2) in order to get acquainted with its elements and principles. Critical judgment and taste are sought by a constant examination of representative work.

Three hours. First semester. Elective for Juniors and Seniors.

IX. FORESTRY

DEPARTMENT OF FORESTRY

1. Elementary Forestry. A study of the economic and political basis of forestry, dealing with forestry as a part of the conservation movement. It aims to show the relation of forests to human welfare, the need for an economical use of forest resources, and the means of conserving these resources.

One hour. Second semester. Required of Freshmen that are candidates for the degree of Bachelor of Forestry.

2, 3. Silviculture. A study of the principles of growing the forest crop, with particular reference to the forest problems of Maine and neighboring regions. The course involves much field work in the Bates Forest Nursery and on the Bates Forest.

Three hours. Through the year. Required of Sophomores that are candidates for the degree of Bachelor of Forestry.

4. Dendrology and Silvics. A study of the common trees and shrubs of Maine and surrounding regions; their classification, distribution, and identification; character and habits of growth.

Three hours. First semester. Required of candidates for the degree of Bachelor of Forestry.

5. Dendrology and Silvics. A continuation of course 4 extending the study of common trees and shrubs to cover the whole United States.

Three hours. Second semester. Required of candidates for the degree of Bachelor of Forestry.

The announcement of additional courses in the Forestry Department, including Forest Management, Forest Pathology, Lumbering, etc., will be made at a later date.

X. FRENCH

1, 2. Beginners' French. Pronunciation, Grammar, Reading, Composition.

Three hours. Through the year. Required of Freshmen that do not present French for admission.

3, 4. Intermediate French. A course in general and historical prose. Grammar and Composition.

Three hours. Through the year. Elective for Freshmen and Sophomores that present Elementary French for admission.

5, 6. Advanced French. Reading in authors belonging to special periods of French Literature.

Three hours. Through the year. Elective for students that have passed course 4 or that have passed the examination in Advanced French for admission.

7, 8. A Teacher's Course in Conversation and Advanced French Composition. The course furnishes practice in speaking and writing French. It consists of dictations, composition, readings and talks in French and aims to enable the student to understand readily French when spoken and to give him thorough training in the use of the idioms of the language. Weekly lectures are also given, together with discussions on the practice and methods of teaching, and opportunities for actual teaching are provided.

Three hours. Through the year. Elective for students that have passed in course 6 and for others with the consent of the instructor.

9, 10. General Survey of French Literature. Lectures, reading, themes.

Three hours. Through the year. Elective. Course 6 prerequisite.

11, 12. French Literature of the Sixteenth and Seventeenth Centuries. Lectures, themes and collateral reading.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

13, 14. French Literature in the Eighteenth Century. Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

15, 16. French Literature in the Nineteenth

CENTURY. Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

17, 18. SCIENTIFIC FRENCH. A course in scientific French is offered, intended to furnish facility in reading and understanding writings of a scientific character. Dike's Scientific French Reader will be used, followed by texts on specific subjects in special departments, and the reading and discussion of articles from scientific journals.

One hour. Through the year. Elective. Course 6 prerequisite. By special arrangement this course may also be taken in conjunction with courses 7 and 8 to count for three hours.

XI. GEOLOGY

1. PHYSICAL GEOLOGY. A study of the broad facts and principles of the science: the work of the atmosphere; of rain and running water; of lakes and the ocean; of ice as a geological agent; of underground water; of volcanoes and earthquakes; of the general structure of the Earth and the chief classes of rocks; the origin and history of mountains; and the leading facts about ore deposits.

Three periods of one or two hours each. First semester. Elective for Juniors and Seniors.

2. HISTORICAL GEOLOGY. A study of the origin of the Earth and its chief relations to the heavenly bodies; of its development throughout the eras of geological time; and the rise and changes of the principal types of animal

and plant life. Special attention is given to the history of the North American Continent and its life; to the problem of the age of the Earth, and man's place in nature.

Three periods of one or two hours each. Second semester. Elective for Juniors and Seniors.

3, 4. GEOGRAPHY. A survey of the Earth interpreted geologically and related to human activities.

Three hours. Through the year. Elective. Geology 1 and 2 prerequisites.

XII. GERMAN

The study of German is required during the Freshman or Sophomore year and is elective during the remainder of the course, three hours per week.

The aim of the required work is the acquisition of a thorough knowledge of the fundamentals of German grammar and the ability to translate into good English all texts read. The aim of the elective work is an introduction to the masterpieces of the German drama of the classical period, a general knowledge of the history of German literature, and a comprehensive view of the tendencies in German literature since Goethe's death.

Careful drill in pronunciation and the intelligent reading of the German text are insisted upon. Some practice in conversation is given, and German is used in the class-room as far as is deemed advisable by the instructor. In the elective courses a large amount of collateral reading outside the class-room is expected. Advanced grammar and composition are not lost sight of throughout the course, although no specialty is made of these subjects after the first year.

1, 2. Elementary German. Grammar, composition, pronunciation, dictation, reading of graded selections of German prose and poetry.

Three hours. Through the year. Elective for Freshmen that present French for admission; required of Sophomores that have not taken the equivalent.

3, 4. Intermediate German. Modern prose, narrative and dramatic. Selected works from such authors as Baumbach, Freytag, Grillparzer, Heyse, Keller, Riehl, Storm, and Wildenbruch. Review of the grammar of the first year, and study of the syntax based on the texts read. Prose composition.

The purpose of German 3 and 4 is to give the student facility in reading standard modern narrative prose.

Three hours. Through the year. Required of the Freshmen that present advanced French and elementary German for admission. Elective for Sophomores and Juniors. German 1 and 2 prerequisites.

3a, 4a. Review of Grammar, Prose Composition, Simple Conversation, Reading of Selected Works from Modern Authors. Intended primarily for Freshmen who present advanced German for entrance to college.

Three hours. Through the year.

5, 6. Introduction to German Literature of the Eighteenth Century. Selected dramas from Lessing, Goethe, and Schiller. The purpose of German 5 and 6 is an introduction to the latest classical period in the history of German Literature. The work of the first semester deals mainly with Lessing, and with the Storm and Stress period as exemplified in the early works of Goethe and Schiller; during the second semester emphasis will be laid on the later works of Goethe and Schiller as expressive of the classical sympathies of the two poets.

German 5 and 6 can be pursued to best advantage by Juniors that have had German 3 and 4. Juniors that have had only German 1 and 2, and that do not plan to elect German 7 and 8, are recommended to elect German 3 and 4.

Three hours. Through the year. Elective for Juniors.

7. Goethe's Faust. Part I and selected portions of Part II. In addition to a critical study of the text, special attention is given to the genesis and development of the Faust legend, and to the life of Goethe as reflected in Faust. Collateral reading in connection with the Faust theme.

Three hours. First semester. Elective for Seniors.

8. Introduction to German Literature of the Nineteenth Century. A rapid survey of the most important movements of the nineteenth century, with illustrative readings from various representative writers. The emphasis for the current year will be placed on the works of Hauptmann and Sudermann.

Three hours. Second semester. Elective for Seniors.

9, 10. Outline History of German Literature. German 9 and 10 are intended primarily for Juniors that presented advanced French and German for admission, and have taken German 5 and 6. The work in the history of the literature, one hour a week, will be supplemented by an intensive study of some literary movement or author of the nineteenth century. The subjects for 1917–1918 will be: first semester, the Life and Works of Heine; second semester, the Life and Works of Hebbel.

Three hours. Through the year. Elective for Juniors after consultation with the instructor.

11, 12. Scientific German. These courses are intended for students that wish to acquire a reading knowledge of scientific German. During the first semester a general science reader, such as Meisnest's Introduction to Scientific German, Wait's German Science Reader, or Wallentin's Grundzüge der Naturlehre is used. The work of the second semester depends largely upon the demands of the class. If desired, a monograph dealing with some particular phase of biology, chemistry, or physics is read.

One hour. Through the year. Elective for Juniors and Seniors.

13, 14. Teachers' Course in German. German 13 and 14 are presented to students wishing to teach German. The work includes a general review of German grammar, the essentials of phonetics, practice in German conversation and a discussion of the problems, aims, text-books, and theories of instruction with respect to the German language and literature.

One hour. Through the year. Elective for Seniors.

XIII. GREEK

The courses in Greek are so arranged as to give the student a first-hand acquaintance with nearly all the divisions of the wide and varied field of Classical Greek Literature. The foremost purpose is to lead to an appreciation of the individual masterpieces read. At the same time the student is encouraged to become acquainted with the entire groups of which these separate works are specimens, and with the history, civilization and art of the periods to which they belong. Lectures and class and individual assignments of library work serve

to enlarge the outlook gained from study of a single text. With the same end in view as many additional works as possible are covered through sight reading, and the reading and discussion of translations. While drill in grammar and syntax is not made the main end, accuracy and precision in these subjects are insisted upon throughout the course. Another constant purpose is to prepare intelligent and enthusiastic teachers of the Classics.

Students entering with complete or partial preparation in Greek will be admitted to course 5 or 7, or to course 3, according to the extent of their preparation. Special attention is called to courses 11 and 12, which require no knowledge of the Greek language, but are intended to bring the student, through English versions, into acquaintance with the whole range of Greek drama.

1, 2. First Year Greek. Grammar and composition, and reading of the Fourth Book of Xenophon's Anabasis.
Three hours. Through the year. Elective for Freshmen.

2a. Greek Literature. History and study of representative works and illustrative passages in English versions. Text-book, lectures, class-room study and library assignments. No knowledge of Greek is necessary.
Three hours. Second semester. Elective for Freshmen.

3, 4. Second Year Greek. Selections from Herodotus, and Homer; the Alcestis of Euripides. Review of grammar and syntax.
Three hours. Through the year. Elective for Sophomores.

5. Plato, Apology and Crito, and selections from the Republic.
Three hours. First semester. Elective for Juniors and Seniors.

[6. Epic Poetry. Reading of selected books of the Iliad, and of intervening passages in English versions; survey of the Odyssey; brief study of the epics of other literatures.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1917–1918.]

[7. The Greek Tragic Poets. One play each of Aeschylus, Sophocles and Euripides will be read in the original, and most of the other plays studied in English versions.

Three hours. First semester. Elective for Juniors and Seniors. Not offered in 1917–1918.]

8. Greek Lyric Poetry.

Three hours. Second semester. Elective for Junior's and Seniors.

9a. Elementary Greek Composition, with especial attention to drill in paradigms and constructions.

One hour. Through the year. Elective for Sophomores, Juniors and Seniors. In alternate years this course will be replaced by

[9b. Advanced Greek Composition. Not offered in 1917–1918.]

10. New Testament Greek. The Gospel of John and Acts. Facility in reading is aimed at, with some attention to exegesis.

Three hours. Second semester. Elective for Sophomores, Juniors and Seniors.

11, 12. The Greek Drama in English Versions. No knowledge of Greek is required for these courses. All the plays of Aeschylus and Sophocles will be read, and

selected plays of Euripides, Aristophanes and Menander. Some attention will be given to the history of the development of the drama, but the main purpose will be the study of the plays as works of literature.

Three hours. Through the year. Elective for Juniors and Seniors.

XIV. HISTORY AND GOVERNMENT

HISTORY

Other courses in history are given in the department of Biblical Literature and Religion.

1. Mediæval Europe. A survey of the Roman Empire, the invasions of the German tribes, and a more detailed study of the development of France, Germany, and Italy throughout the Mediæval period. Special attention is given to such topics as Feudalism, the Crusades, the Church, and the Renaissance.

Three hours. First semester. Elective for Sophomores.

2. The Modern Age. The development of the leading Continental European nations up to 1815. A detailed study of the political and constitutional development of England is made. Course 1 must precede course 2.

Three hours. Second semester. Elective for Sophomores.

Courses 1 and 2 are considered fundamental to all later work in history and are also valuable in preparation for many courses in other departments.

3. American History to 1829. A study of the establishment of the various European Colonies in America, their expansion, their political, social, and economic development, the struggle between the French and the English for the possession of North America, the causes

and progress of the Revolutionary War, the formation of the Constitution, and the rise of political parties.

Three hours. First semester. Elective for Juniors and Seniors.

4. American History, 1829 to the present time. Attention is centered upon the growth of nationality, upon the political phase of the controversy over slavery, upon the Civil War and Reconstruction, and upon the more important features of recent American History. Course 3 must precede course 4.

Three hours. Second semester. Elective for Juniors and Seniors.

5. Europe in the Nineteenth Century. This course is a continuation of History 1–2. The period of reaction and the national revolutions of 1848 are studied. Special attention is given to the constructive movements in the various countries. The course ends with a study of colonial expansion and the international relations of European states down to the summer of 1914.

Three hours. First semester. Elective for Juniors and Seniors.

6. The Teaching of History. A study of the problems of secondary instruction with particular reference to history. Lectures on the place of history, the selection and use of text-books and other aids to historical instruction. Lesson plans and the results of observation of actual teaching will be discussed. The teaching of civics will receive some attention.

One hour. Second semester. Elective for students that have had a minor in history.

7. Greek and Roman Statesmanship. Greek and Roman History, studied with special reference to the

problems encountered by statesmen in foreign relations and domestic politics.

Three hours. First semester. Elective for Freshmen. Professor Chase.

GOVERNMENT

1. State and Municipal Government in the United States. During the first part of the semester the state governments will be considered with attention to the problems which they present in the light of recent social and industrial developments. Most of the time will be given to a study of municipal government. This study will include: the history and development of municipal government in America; the organs of city government and their relation to each other; the relation of the municipality to public service corporations, and the problems of municipal ownership.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1918–1919.

[2. American Federal Government and Party System. A study of the American Government, its executive, legislative and judicial departments, together with a study of the relation of the states to the nation and the American Party System, including a sketch of parties, party leaders and of presidential elections, with a study of party machinery and current party problems. Comparisons will be made with two or three European governments, particularly with reference to England.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1917–1918.]

During the second semester of 1917–1918 fifteen lec-

tures upon Practical Law will be given by Raymond S. Oakes, Esq., Bates 1909.

One hour per week. Elective for Seniors.

XV. HOUSEHOLD ECONOMY

The purpose of this department is to deepen interest in Woman's Work by directing those who are becoming intellectual women to their special contribution to civilization in the home problems of the nation, the city, the town, the institution, or the private home. Its trend is cultural rather than vocational, as best fitted to the Academic College. The work covers four semesters.

BACTERIOLOGY AND SANITATION

These courses aim at making the student a more effective member of the home and of the community through an appreciative acquaintance with approved modern methods of household and municipal sanitary administration.

1. BACTERIOLOGY deals with the place of the microscopic fungi in nature, and with the structure, life history, and vital activities of yeasts, molds, and various types of bacteria. This study makes possible an understanding of the principles that govern growth and reproduction.

One hour. First semester. Required of Sophomores.

2. SANITATION applies these principles to the problems of personal, household, and municipal cleanliness; the construction and care of storage facilities; care, inspection, and sale of food supplies; construction and care of sanitary appliances; drainage; the disposal of wastes; disease, infection, immunity; the sick room; care of the public health, etc. Illustrations are taken from examples of

progressive municipal sanitary practice. The place of bacteria in the industries, and their relation to the fertility of the soil are also briefly discussed. Lectures, papers, discussions.

One hour. Second semester. Required of Sophomores.

HOUSEHOLD MANAGEMENT

1, 2. In this course is discussed the wise division of the income for different needs; for food, housing, educational opportunities, amusements, social betterment, together with questions of marketing, selection of meats, etc., for greatest economy and nutrition, of diet for sick and well, of choice of architecture for home, location, lighting, ventilation, of furnishings for utility and beauty, and economy and suitability in clothes.

One hour. Through the year. Elective for Juniors and Seniors.

XVI. LATIN

Latin is offered throughout the four years, three hours a week, except in Latin A, Latin B, and Latin 4a. The courses for Juniors and Seniors are given in alternate years, and are open to both classes.

The courses of study in this department have been arranged with the belief that an acquaintance with Latin literature is an essential of real culture. An effort is made to cultivate the ability to read Latin easily and at sight, to secure grace in translation, an appreciation of the literary worth of the author, and a clear mental picture of the life and times in which each wrote.

Students intending to devote themselves to the teaching of Latin are advised to pursue the study of Latin for at least three years, and of Greek for at least two.

Latin A. A thorough review of the fundamental principles of Latin Grammar, and the study of selections from Vergil's Aeneid.

Four hours. Through the year. Required of Freshmen that offer only three years of Latin for admission, and are candidates for the degree of Bachelor of Arts.

Latin B. Selected orations of Cicero, selections from Vergil's Aeneid, elementary Latin Composition.

Four hours. Through the year. Required of Freshmen that, entering as candidates for the degree of Bachelor of Science, offer only two years of Latin, but desire to qualify for the degree of Bachelor of Arts.

1. CICERO: Selected Letters.

Three hours. First semester. Required of Freshmen that offer Advanced Latin for admission, and are candidates for the degree of Bachelor of Arts.

2. HORACE: Odes, Epodes, and *Carmen Saeculare.*

Three hours. Second semester. Required of Freshmen that have taken Latin I, and are candidates for the degree of Bachelor of Arts.

3. CICERO: *De Senectute, De Amicitia,* and Tusculan Disputations, Book I.

Three hours. First semester. Elective for Sophomores.

4. LATIN COMEDY: Two plays of Plautus, and one of Terence.

Three hours. Second semester. Elective for Sophomores.

4a. LATIN COMPOSITION. This course is designed to meet the needs of students that expect to teach Latin.

One hour. Through the year. Elective for Sophomores, Juniors, and Seniors.

5. JUVENAL: Selected Satires. Martial: Selected Epigrams.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course.

6. TACITUS: Selections.

Three hours. Second semester. Elective for Juniors and Seniors that have completed at least two elective courses.

[7. PLINY THE YOUNGER: Selected Letters. Tibullus, Propertius, and Ovid: Selected Elegies.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course. Not offered in 1917–1918.]

[8. HORACE: Selected Satires and Epistles.

Three hours. Second semester. Elective for Juniors and Seniors that have completed at least two elective courses. Not offered in 1917–1918.]

XVII. MATHEMATICS

1. ALGEBRA AND SOLID GEOMETRY. Ratio and proportion, variation, series, binomial theorem, undetermined coefficients, logarithms, permutations and combinations, continued fractions, theory of equation, graphic algebra. Wells' College Algebra. This portion of the work closes before the holiday vacation, and the remainder of the semester is given to solid geometry, which includes polyhedral angles, the various solids bounded by planes, the cone, the cylinder, and the sphere. This course includes a large amount of original work in demonstration and computation. Phillips and Strong's Elements of Geometry.

Three hours. First semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

2. Solid Geometry and Trigonometry. Plane Trigonometry with problems and applications. Phillips and Strong's Trigonometry.

Three hours. Second semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

3. Spherical Trigonometry, Surveying and Plane Analytic Geometry. This is a continuation of course 2, with problems and applications to astronomy. This portion of the work closes the fourth week and the remainder of the time before the holiday recess is given to surveying which includes the theory of chain, compass, and transit surveying, leveling, the adjustment and use of instruments, computation of area, and scale drawings. Raymond's Plane Surveying. The remainder of the term is given to Plane Analytic Geometry. A study of the point and line. Tanner and Allen's Analytic Geometry.

Three hours. First semester. Elective for Sophomores.

4. Analytic Geometry. A continuation of course 3. The circle and transformation of co-ordinates, conic sections, equation of second degree, elements of solid analytic geometry.

Three hours. Second semester. Elective. Course 3 prerequisite.

5. Differential Calculus. Differentiation of algebraic and transcendental functions with application to problems, change of the variables in derivatives, maxima and minima of functions of two or more independent variables, curve tracing, envelopes. Osborne's Differential and Integral Calculus.

Three hours. First semester. Elective. Courses 3 and 4 prerequisites.

6. Integral Calculus. Various methods of integration with applications.

Three hours. Second semester. Elective. Courses 3, 4, and 5 prerequisites.

7. Integral Calculus Completed and Differential Equations. Integration as a summation, successive integration, surface, volume and moment of inertia of any solid, centre of gravity, pressure of fluids, force of attraction. This portion of the work closes with the tenth week of the first semester and the remainder of the semester is given to Differential Equations (Elementary course). Solution of ordinary and partial differential equations with applications to geometry and physics. Campbell's Differential Equations.

Three hours. First semester. Elective. Courses 3 to 6 prerequisites.

8a. Differential Equations Completed. This is a continuation of course 7 and closes before the spring vacation.

8b. Determinants and Theory of Equations. This course is devoted to determinants, complex quantities, properties of polynomials, general properties of equations, symmetric functions, limits and separations of the roots of an equation, elimination and solution of numerical equations. Barton's Theory of Equations.

Three hours. Second semester. Elective for Seniors.

XVIII. ORATORY AND VOICE CULTURE

The required work in Oratory of the Freshman and Sophomore years, is largely preparatory in its nature, and deals with the technical side of Public Speaking.

The student is shown the relation of the mind to Vocal and Pantomimic Expression, and is taught to think more clearly and definitely. Concentration, sequence of ideas and conception are studied the Freshman year, and the logical action of the mind, as shown by the various methods of emphasis, is discussed and exemplified the Sophomore year. Vocal and Pantomimic training is studied and attention is called to faults of tone and bearing, and to mannerisms and defects in speech.

1. The Study and Development of Elemental Thought Processes as Related to Vocal Expression. Attention. Sequence of Ideas. Conception.

Vocal training. Correct method of breathing. Openness of tone passage. Preparatory actions for speech. Ease, freedom, and openness in tone production. The study of articulation, enunciation, and pronunciation.

Prize Speaking, in which every member of the Freshman Class is prepared by special instruction and drill, and in which the principles studied in class are applied to public speaking.

One hour. Second semester. Required of Freshmen.

2. The Development of the Logical Instinct in Speaking. The study of Emphasis and its various forms of expression. Inflection. Change of Pitch. Pause. Antithesis. Subordination. Movement. Force.

Vocal Training, to secure control of breath and elasticity of tone.

One hour. First semester. Required of Sophomores.

Prize Speaking, in which every member of the Sophomore Class is prepared by special instruction and drill.

One hour. First semester. Required of Sophomores.

3. Public Speaking. Beginning with the simplest forms of extempore speaking, each student is required to describe before the class something from his own experience, as a visit to some large city, a noted building, a work of art, a journey taken, until some freedom in speaking before the class has been gained, and then the parts of the speech (the introduction, statement, body and conclusion) are studied and more finished speeches are made by the students. These speeches are criticized for form and manner of delivery, by the students and instructor.

Special training for students competing for the Junior Prize Speaking.

One hour. Second semester. Elective for Sophomores.

4. Public Speaking (continued). This course is open to the members of the Junior and Senior classes who have completed the preceding courses. The various forms of "Speeches for Special Occasions" are studied and original examples are presented by each member of the class.

One hour. First semester.

5. Development of the Dramatic Instinct. The study of a Shakespearean play and short scenes from the old comedies.

One hour. Second semester. Elective for Seniors.

6. Class in Methods of Teaching Elocution and Oratory designed to aid those who may have to coach students in Prize Speaking contests and Graduating Parts.

One hour. Second semester. Elective for Seniors.

XIX. PHILOSOPHY

1. Christian Ethics. The aim of this course is to derive from the life and teachings of Christ the ideals and principles that are permanently applicable to human conduct, and to show their relations to the problems of individual character and of social progress presented in the life of today. The Bible and Stalker's "Life of Christ" are used as text-books. There is a constant endeavor to make the work practical. To this end, topics requiring special reading are assigned, essays and discussions are prescribed, and occasional talks and lectures are given.

One hour. First semester. Required of Freshmen.

2. Psychology. A general introductory course in the elements of mental activity. The neurological basis of conscious processes is examined, and data thus gained are applied to the explanation of human behavior. The biological point of view is kept constantly in mind.

This course serves as a foundation for the work in Education.

Three hours. The course is given each semester. Elective for Sophomores and Juniors.

3. Advanced Psychology. A more intensive and extended study of psychological principles, and of their application to the practical problems of individual and social development.

Three hours. First semester. Elective for students that have had course 2.

[4. Psychology of the Moral and Religious Life. The course is designed to acquaint the student with the psychological principles upon which character and per-

sonality are founded, and with the facts and forces that underlie religious experience.

Three hours. Second semester. Elective for students that have had course 2. Not offered in 1917–1918.]

5. History of Philosophy. The aim of the course is to familiarize the student with the fundamental problems of philosophy as they have developed historically, and to give him some exercise in critical and constructive thinking.

Three hours. First semester. Elective for Juniors and Seniors.

6. The Philosophy of Evolution. An historical and critical examination of the evolutionary hypothesis to determine its bearing on the problems of Metaphysics, Ethics, and Religion, and its authority in these fields.

Three hours. Second semester. Elective for Juniors and Seniors.

7. Logic. A study of the principles of thought both deductive and inductive, followed by extended exercises in a practical evaluation of arguments.

Three hours. First semester. Elective for Juniors and Seniors.

8. Ethics. A course in the history, theories, and applications of morality. After a brief summary of the course of moral development, an examination of various ethical theories is made with a view to finding a satisfactory basis for individual and social morality. Stress is then laid upon the application of ethical principles to the problems and conditions of life today.

Three hours. Second semester. Elective for Juniors and Seniors.

XX. PHYSICS

1. Elementary Mechanics.

Three hours per week. Second semester. Required of Freshmen that are candidates for the degree of B.S.

2, 3. General Physics. A continuation of course 1.

Two recitation periods and one two-hour laboratory period per week. Through the year. Required of Sophomores that are candidates for the degree of B.S.

Courses 1, 2, 3 form the basis for advanced work in physics. They treat of the fundamental principles of the entire subject, mechanics of solids, liquids, and gases, heat, magnetism and electricity, sound, and light. While emphasis is placed on the mathematical treatment of the subjects, considerable attention is given to the descriptive and historical aspects of physics.

The laboratory work is purely quantitative and is designed to illustrate the principles studied in the class-room, to train the student's power of observation, and to give him some technical knowledge of physical measurements.

4, 5. General Physics.

Two recitation periods and one two-hour laboratory period per week. Through the year. Elective for Sophomores that are candidates for the degree of A.B.

Courses 4, 5 are designed to meet the needs of students that intend to teach physics in a High School. The cultural rather than the technical side of the subject will be emphasized. A representative high school text will be discussed in the class-room, while the laboratory work

will include many experiments suitable for use in secondary schools.

6, 7. Laboratory Physics.

Three two-hour periods. Through the year. Elective for Juniors. Physics 4, 5 and Mathematics 3, 4 prerequisites.

Courses 6, 7 are designed to give the student a good working knowledge of practical physics. The problems studied include the calibration and standardization of various measuring instruments; the determination of specific heat; experiments on the diffraction and interference of light, spectrum analysis; measurements of currents, electromotive forces, capacities, and magnetic constants. The apparatus available for these courses is of high grade and includes standards of length, resistance, capacity, etc., certified by the Physikalisch-Technische Reichsanstalt.

8, 9. Laboratory Physics (advanced course).

Three three-hour periods per week. Through the year. Elective for Seniors. Physics 6, 7 and Mathematics 5, 6 prerequisites.

This course comprises electrical measurements of precision: including high and low resistance, temperature coefficients of resistance, absolute capacity determinations, current and potential measurements with the potentiometer and standard cells, magnetic properties of iron, etc. The student is expected to arrange the necessary apparatus and to construct in the shop such subsidiary apparatus as may be needed. He is required to make use of the reference library in studying the various methods employed in practical and absolute electrical measurements.

10. Dynamos and Motors.

Three hours per week. First semester. Elective for Seniors. Physics 6, 7 and Mathematics 5, 6 prerequisites.

A study of the theory, construction, and operation of direct and alternating current apparatus: generators, motors, synchronous converters, transformers, etc. The solution and discussion of a large number of practical problems forms an important part of the work. Experimental illustration in the laboratory is correlated with the class-room work.

11. Theory of Electricity.

Three hours per week. Second semester. Elective for Seniors that have completed Physics 10 and Mathematics 5, 6.

A mathematical treatment of the subject, including terrestrial magnetism, compensation of ship's compass, electrostatics, conduction through gases, etc.

*MECHANICAL DRAWING

The courses in drawing are designed to meet the requirements of students intending to study civil, mechanical, or electrical engineering. The work is made as practical as possible.

1, 2. Mechanical Drawing. The use of instruments. Geometrical problems and projection. Simple mechanical details. Introductory to all courses in drawing.

Three periods per week. Through the year. Elective for Freshmen.

3, 4. Machine Drawing. Elementary course.

Three periods per week. Through the year. Elective for Sophomores.

* The courses in Mechanical Drawing are omitted in 1917–1918.

5. Topographical Drawing.

Three periods per week. Second semester. Elective for Sophomores.

XXI. SPANISH

1, 2. Elements of Spanish. Pronunciation, grammar, composition, translation of graded selections of prose and poetry, sight-reading and dictation.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

3, 4. Advanced Readings in Spanish Classics, and Composition. Studies in Spanish-American Literature.

Three hours. Through the year. Elective for Students that have completed Spanish 1 and 2.

XXII. HYGIENE AND PHYSICAL EDUCATION

In the Departments of Hygiene and Physical Education required courses are given both to men and women; and elective courses in Physiology are offered to men and women in the Freshman year.

Physical Training courses count as required courses, and receive credit in semester hours on the same basis as laboratory work; the work in military training, when offered, counts toward the Physical Training credits for the semester. The total number of hours' credit for Physical Training, however, shall not exceed nine semester hours for the four years.

HYGIENE FOR MEN

The Director of Physical Training gives each young man entering the Freshman Class a thorough physical

examination during the first term of his attendance at College. From the measurements and strength tests taken, a chart is made out for each student, showing his size, strength, and symmetry, in comparison with the normal standard, and also what parts of the body are defective in either strength or development. A handbook containing the exercises prescribed for the correction of any physical defects shown by his chart, and giving specific directions in regard to diet and bathing, is furnished each student.

When any student is found defective in vision, he receives from one of the college oculists the specific treatment that his case may require.

Anson A. Cobb, M. D., 236 Main St., Auburn.
Charles E. Norton, M. D., 118 Lisbon Street.
Frederick S. Wakefield, A. B., M. D., 342 Main Street.
George P. Emmons, A. M., M. D., 147 Lisbon Street.

1. Physiology, Anatomy, and Hygiene. Instruction in this course is given by lectures and recitations. This course is devoted chiefly to Physiology and Hygiene with emphasis placed upon Hygiene. "The Human Mechanism" by Hough and Sedgwick is used as a text.

Three hours. First semester. Elective for Freshmen.

2, 3. Hygiene. A course of practical lectures dealing with certain phases of personal hygiene: ways and means of securing and conserving health; habits; causes of disease; carriers of disease; defences against disease.

One hour. Through the year. Required of Sophomores.

PHYSICAL TRAINING FOR MEN

1. Class Exercises: Military drill, setting-up exercises, and Indian-club swinging. Squad exercises (graded

to suit the strength of each division): Basketball, indoor athletics, chest-weights, developing appliances, bar, rings, etc. From the first of November to the first of April. Required of Freshmen.

2. Class Exercises: Setting-up exercises, dumb-bell drill. Squad exercises: Boxing, wrestling, and heavy gymnastics, basketball, bowling, indoor athletics. Required of Sophomores.

3. Class Exercises: Setting-up exercises, fencing with single sticks and with broad-swords. Squad exercises: Basketball, indoor athletics, heavy gymnastics. Required of Juniors.

HYGIENE AND PHYSICAL EDUCATION FOR WOMEN

1. Hygiene, Anatomy and Physiology.

(a) Hygiene. A course in the proper management, protection and care of the human body.

One hour. Through the year. Required of Freshmen.

(b) Anatomy and Physiology. This course aims to give a practical knowledge of the structure and operation of the human body.

Three hours. First semester. Elective for Freshmen.

2. Gymnastic Teaching. A study of the Swedish system of gymnastics for the school room. Especially adapted for those wishing to supplement the teaching of other subjects with gymnastics.

One hour. First semester. Elective. Course 1b prerequisite.

3. Practical Work of the Department: in the gymnasium or outdoors. This branch of the work aims at the

promotion of bodily health and strength, the correction of faulty postures, relaxation from mental work, and the development of precision, alertness and grace of movement.

One hour daily. Through the year. Required of every young woman in College.

Three hours of this will be spent by Sophomores and Freshmen, and two hours by Seniors and Juniors, under the supervision of the director. For the remaining hours each student may make a choice from the work outlined below.

NOTE—A careful physical and medical examination is made of each new student by a woman physician and the physical director, to ascertain her abilities and limitations.

A fee of $10 is charged to cover the expense of gymnasium suit, shoes, dues to the Athletic Association for the first semester, medical examination, etc.

(a) In the gymnasium—

(1) Swedish gymnastics. Floor drills, marching and apparatus work.

(2) Corrective gymnastics. Special exercises to overcome faults of posture, lateral curvature of the spine, round shoulders, weak and flat feet.

(3) Æsthetic gymnastics. Rhythmical movements for the whole body.

(4) Folk dancing.

(b) On the athletic field or games in the gymnasium—

(1) In the fall: field hockey, volley ball, tennis, hare and hound chase, walks, cross-country walks, etc.

(2) In the winter: basketball (on days alternating with gymnasium work), snowshoeing, walks, etc.

(3) In the spring: baseball, tennis, walks and track. Field day ends the year's work.

Athletic Association. A student organization to help promote interest in physical education in general. The sports are carried on under its direction with the help of the director. All sports are supervised. Dues: $1 a semester.

OUTLINE OF STUDIES

The figure preceding a subject indicates the number of the course in that study as explained on pages 45 to 96. The figure following a subject indicates the number of exercises per week. Electives are italicized. The left-hand column in the Freshman year shows the arrangement of courses for students who are candidates for the A. B. degree; the right-hand column, the arrangement for candidates for the B. S. degree. Subjects in square [ ] are not offered in 1917–1918.

FRESHMAN YEAR

First Semester

A. B.		B. S.	
1 Christian Ethics	1	1 Christian Ethics	1
1 English	3	1 English	3
1, 3, 5 French or	3	1, 3 French or	3
1, 3, 3a German	3	1, 3, 3a German	3
1 Latin	3	1 Mathematics	3
Latin A	4	1 †Physical Education	3
Latin B	4	1 *Latin*	3
1 †Physical Education	3	[1 *Mechanical Drawing*	3]
1*a*, 3 **Physical Education*	1	1 *Ornithology*	1
1 *Greek*	3	1 *Physiology*	3
1 *Mathematics*	3	7 *Statesmanship*	3
[1 *Mechanical Drawing*	3]		
1 *Ornithology*	1		
1*b* ***Physical Education*	3		
1 *Physiology*	3		
7 *Statesmanship*	3		

*Required of women. **Elective for women. †Required of men.

Second Semester

2	English	3	2	English	3
2, 4, 6	French or	3	1	Forestry	1
2, 4, 4a	German	3	2, 4	French or	3
2	Latin	3	2, 4, 4*a*	German	3
	Latin A	4	2	Mathematics	3
	Latin B	4	1	Oratory	1
1	Oratory	1	1	Physics	3
1	†Physical Education	3	1	*Biblical Literature*	3
1*a*, 3	*Physical Education	1	1	*Biology*	3
1	*Biblical Literature*	3	1	*Economics*	3
1	*Biology*	3	2	*Latin*	3
[1	*Economics*	3]	[2	*Mechanical Drawing*	3]
2*a*, 2	*Greek*	3	2	*Ornithology*	1
2	*Mathematics*	3			
[2	*Mechanical Drawing*	3]			
2	*Ornithology*	1			

*Required of women. †Required of men.

SOPHOMORE YEAR

For differences between the A. B. and B. S. courses after the Freshman year consult Major and Minor Requirements on pages 103–105.

First Semester

1	*Bacteriology	1	3	*German*	3
3	English	3	3, 5	*Greek*	3
2	Forestry (B. S.)	3	9*a*, [9*b*]	*Greek*	1
1	German	3	1	*History*	3
2	**Hygiene	1	3	*Latin*	3
2	Oratory	1	4*a*	*Latin*	1
2	**Physical Education	3	[3	*Machine Drawing*	3]
3	*Physical Education	1	3	*Mathematics*	3
2	*Physics* (B. S.)	3	2	*Physical Education*	1
2	*Biblical Literature*	3	4	*Physics* (A. B.)	3
1	*Botany*	3	2	*Psychology*	3
1	*Chemistry*	3	1	*Spanish*	3
2	*Economics*	3	1	*Zoölogy*	3
5, 7, 9	*French*	3			

*Required of women. **Required of men.

Second Semester

3 Forestry (B. S.)	3	4 *German*	3
2 German	3	4, 10 *Greek*	3
3 **Hygiene	1	9*a*, [9*b*] *Greek*	1
3 *Physics* (B. S.)	3	2 *History*	3
2 **Physical Education	3	4 *Latin*	3
3 *Physical Education	1	4*a* *Latin*	1
2 *Sanitation	1	[4 *Machine Drawing*	3]
3 *Biblical Literature*	3	4 *Mathematics*	3
2 *Chemistry*	3	3 *Oratory*	1
1 *Biology*	3	5 *Physics* (A. B.)	3
2 *Botany*	3	2 *Psychology*	3
[1], 3, [5], 6 *Economics*	3	2 *Spanish*	3
4*a*, 4*b*, 5, 6 *English*	3	[5 *Topographical Drawing*	3]
6, 8, 10 *French*	3	2 *Zoölogy*	3

*Required of women. **Required of men.

JUNIOR YEAR

First Semester

7 English	4	9*a*, [9*b*] *Greek*	1
4 Forestry (B. S.)	3	11 *Greek Drama*	3
3 †Physical Education	3	8 *Hebrew*	3
3 *Physical Education	2	3, 5 *History*	3
1 *Astronomy*	3	1 **Household Management*	1
2, 4, [6] *Biblical Literature*	3	4*a* *Latin*	1
1 *Botany*	3	5, [7] *Latin*	3
3 *Chemistry*	3	7 *Logic*	3
2, 4, 7 *Economics*	3	5 *Mathematics*	3
1 *Education*	3	4 *Oratory*	1
1 *Fine Arts*	3	5 *Philosophy*	3
5, 7, 9, 11, 13, 15 *French*	3	2 *Physical Education*	1
17 *French*	1	6 *Physics*	3
1, 3 *Geology*	3	2, 3 *Psychology*	3
5, 9 *German*	3	1 *Sociology*	3
11 *German*	1	1, 3 *Spanish*	3
5, [7], 8 *Greek*	3	3 *Zoölogy*	3

*Required of women. **Elective for women. †Required of men.

Second Semester

5 Forestry	3	1, [2] *Government*	3
3 †Physical Education	3	[6], 8, 10 *Greek*	3
3 *Physical Education	2	9*a*, [9*b*] *Greek*	1
2 *Astronomy*	3	12 *Greek Drama*	3
3, 5, [7] *Biblical Literature*	3	9 *Hebrew*	3
2 *Botany*	3	4 *History*	3
4 *Chemistry*	3	6 *History*	1
9 *Chemistry*	1	2 **Household Management*	1
[1], 3, [5], 6 *Economics*	3	4*a Latin*	1
2 *Education*	3	6, [8] *Latin*	3
8 *English*	4	6 *Mathematics*	3
8 *Ethics*	3	6 *Philosophy*	3
6, 8, 10, 12, 14, 16 *French*	3	7 *Physics*	3
18 *French*	1	2, 4 *Psychology*	3
2, 4 *Geology*	3	[2], 3 *Sociology*	3
6, 10 *German*	3	2, 4 *Spanish*	3
12 *German*	1	4 *Zoölogy*	3

*Required of women. **Elective for women. †Required of men.

SENIOR YEAR

First Semester

3 *Physical Education	2	8, 10 *Hebrew*	3
1 *Astronomy*	3	3, 5 *History*	3
4, [6] *Biblical Literature*	3	1 **Household Management*	1
5 *Chemistry*	3	4*a Latin*	1
[7], 8, 11 *Chemistry*	3	5, [7] *Latin*	3
2, 4, 7 *Economics*	3	7 *Logic*	3
3, 4 *Education*	3	7 *Mathematics*	3
9 *English*	4	4 *Oratory*	1
1 *Fine Arts*	3	5 *Philosophy*	3
7, 9, 11, 13, 15 *French*	3	2 *Physical Education*	1
17 *French*	1	3 *Psychology*	3
1, 3 *Geology*	3	8, 10 *Physics*	3
7 *German*	3	1 *Sociology*	3
11, 13 *German*	1	1, 3 *Spanish*	3
5, [7], 8 *Greek*	3	5 *Zoölogy*	3
9*a*, [9*b*] *Greek*	1	7*a Zoölogy*	2
11 *Greek Drama*	3	7*b Zoölogy*	1

*Required of women. **Elective for women.

Second Semester

3 *Physical Education	2	[6], 8, 10 *Greek*	3
2 *Astronomy*	3	9*a*, [9*b*] *Greek*	1
5, [7] *Biblical Literature*	3	12 *Greek Drama*	3
6, 8, 11 *Chemistry*	3	9, 11 *Hebrew*	3
9 *Chemistry*	1	4 *History*	3
10 *Chemistry*	2	6 *History*	1
[1], 3, [5] *Economics*	3	2 ***Household Management*	1
5, 6 *Education*	3	4*a Latin*	1
10 *English*	4	6, [8] *Latin*	3
8 *Ethics*	3	8 *Mathematics*	3
11 *English*	1	5, 6 *Oratory*	1
8, 10, 12, 14, 16 *French*	3	6 *Philosophy*	3
18 *French*	1	9, 11 *Physics*	3
2, 4 *Geology*	3	4 *Psychology*	3
8 *German*	3	[2], 3 *Sociology*	3
12, 14 *German*	1	2, 4 *Spanish*	3
1, [2] *Government*	3	6 *Zoölogy*	3

*Required of women. **Elective for women.

After the first semester of the Freshman year students elect subjects enough to make not less than 15 hours per week (16 including Oratory), and not more than 17, except by special permission.

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

DEGREES AND HONORS

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

BACHELOR'S DEGREE

The Bachelor's degree is conferred on all students that complete satisfactorily one hundred and thirty-one semester hours in the requisite courses, exclusive of the elective courses in Oratory. Each candidate for this degree must submit not later than May 15th of his Senior year a thesis of not less than one thousand words upon some subject representative of his accepted Major. His subject for this thesis must be selected from a list presented by the head of the department in which he has chosen his Major. Candidates are invited to submit subjects for the approval of those in charge of the lists.

It is understood that each list from which choices are to be made will be presented not later than Friday of the eleventh week of the first semester.

MASTER'S DEGREE

The degree of Master of Arts is conferred on graduates of the College of at least three years' standing who have completed one year's graduate non-professional study or its equivalent. Either two or three subjects may be selected, with the advice and under the direction of the heads of the College departments. Evidence of proficiency is to be given by examinations and theses. Theses

must be presented and fees paid as early as June 1st, and final examinations must be passed not later than ten days before the annual Commencement. The fee is $10.00. Modifications of the foregoing conditions may be granted resident graduates. Further information on the subject may be obtained by writing to the Secretary.

GROUP ARRANGEMENT OF STUDIES

The different departments of instruction are arranged under three groups: I, Languages; II, Philosophy (including History and the Social Sciences); and III, Sciences (including Mathematics).

Group I	Group II	Group III
Languages	*Philosophy*	*Sciences*
English	Biblical Literature and Religion	Astronomy
French	Economics	Biology
German	Education	Botany
Greek	Ethics	Chemistry
Hebrew	Fine Arts	Engineering
Latin	Government	Geology
Spanish	History	Mathematics
	Philosophy	Ornithology
	Psychology	Physics
		Physiology
		Zoölogy

REQUIREMENTS

A candidate for the degree of Bachelor of Arts must complete before graduation a Major subject in Group I or II, and a Minor subject in each of the Other Groups. A candidate for the degree of Bachelor of Science must complete before graduation a Major and a Minor subject in Group III, and a Minor in each of the other Groups.

In the departments of French and German, each student must present for entrance two accepted units of preparatory work, or take one year in College. If a student presents two or more units of both French and German, he is required to take one of those languages a year in College.

In complying with the above conditions, subjects indicated as required in the "Outline of Studies" may count equally with electives. A student in making his selections for the Junior year should indicate in which Group he intends to secure his Major, and in making his selections for the Senior year should indicate the Departments in which he intends to secure his Major and his Minors.

MAJORS AND MINORS

All candidates for degrees are required to make their selections with reference to Major and Minor subjects.

A Major subject is one which is pursued at least three hours a week for three years, including the Senior year; in case of "alternate" courses in the foreign languages, if a Senior course is pursued during the Junior year, the Major may be completed at the end of the Junior year.

A Minor subject is one which is pursued at least three hours per week for two consecutive years, or consists of six three-hour courses of definitely related subjects, and may be pursued in any of the subjects possible for Majors. Three single years' work in as many subjects in the various departments of any one group will also be accepted as a Minor. In certain other cases, by arrangement with the Committee on Curriculum, a Major or a Minor study may be kept up by a combination of related courses from different departments.

English 1, 2, French 1, 2, German 1, 2 (if begun in the

Freshman year), History 7, Latin A, B, and Physics 1 must not be counted towards a Minor.

HONORS

The method of awarding honors and assigning Commencement parts is as follows: Six honors, three to young men and three to young women, are awarded for Scholarship in each of the three general Groups as given under the Group Arrangement of Studies.

From the eighteen persons receiving these honors eight are selected to deliver Commencement parts.

1. A committee of three shall be appointed representing each group of studies, who shall present to the Faculty for consideration the names of members of the Senior Class whose rank is 85 or more in any group, and averages at least 80 in all studies.

2. In making up the rank for the assignment of honors, the work of the Freshman year shall not be counted.

3. In awarding honors in any group of studies amount of work as well as rank shall be considered, and in deciding between candidates preference shall be given to the one having the largest number of courses, unless the rank of one having a smaller number is higher than that of the others in any equal number of courses.

4. A student whose rank entitles him to an honor in more than one group of studies shall receive appropriate recognition of that distinction.

ADMINISTRATION

REGISTRATION

The committee on registration is in session on the first day of each term, and all students are required to register at that time unless previously excused. Students failing to comply with the above requirement are charged one dollar for subsequent registration, and this sum will be collected with their term bills.

ABSENCE FROM RECITATIONS

No excuse for absence from recitations or other class exercises will be granted on the ground of social, literary or athletic engagements.

No student will be excused from regular work to prepare for or to take an examination. Any examination taken under such conditions shall be regarded as a failure.

Students that have been absent one week or more from any course are required to take at least one written lesson for each four weeks of absence, or fraction thereof.

EXCUSES

The excuse officer for young men is the President, or, in his absence, the Acting President; for young women, the Dean. These officers will have regular office hours and may be found at their offices every day on which recitations are held. Whenever possible, excuses should be obtained before the absences occur. Claims for ex-

cuses must be presented within two days after students return.

The Registrar will keep at her office a complete record of all absences and of all excuses granted.

For every unexcused absence from class one-fifth of an hour's semester credit will be deducted from the student's total credits; and for each unexcused absence from College exercises immediately preceding or immediately following a recess or a vacation a double penalty is imposed.

Excuses for tardiness must be presented to the instructor at the hour at which the tardiness occurs. Otherwise such tardiness will be treated as an unexcused absence.

EXAMINATIONS

Written examinations are given at the close of each semester and at such other times as the instructors may determine.

RANK BILLS

These are sent to the parent or guardian of each student at the close of each semester. A student's work in a course is reported according to the following grades: A, B, C, D and F. A signifies a rank from 90 to 100; B, from 80 to 90; C, from 70 to 80; D, from 60 to 70; F, failure.

STUDENT ADVISERS

Near the beginning of the College year the young men of each class are divided into groups; and for each group some teacher acts as a special adviser. The attempt is made to assure to each student a true friend from whom in any perplexity or emergency he may freely ask counsel and aid. It is one of the cherished aims of the College

to foster intimate and mutually helpful relations between teachers and students. At a stated time and place once a month each student reports his church attendance to his adviser.

HEALTH OF STUDENTS

The health of students is an object of constant care. Physical examinations are given each year, and suitable exercise is prescribed for each student. Lewiston has two of the best hospitals in New England, and these are always open at special, reasonable rates to students requiring the services of skilful physicians or surgeons.

YEARLY EXPENSES FOR YOUNG MEN

Tuition,	$75.00	$75.00
Room with Board,	176.00 to	202.00
Lights, laundry, books, etc.,	15.00	30.00
	$266.00	$307.00

Each Freshman pays a fee of one dollar for his medical examination, chart and handbook.

Students are advised in regard to selecting their rooms. Rooms for young men, except in John Bertram Hall, are unfurnished. Each man, on engaging a room in a College building, deposits a fee of five dollars with the Assistant Treasurer. This sum is credited to him as part payment of his rent for the first semester. Students are held responsible for the rent of the rooms selected, unless other satisfactory arrangements are made with the Assistant Treasurer. Students, except those living at home, are expected to board at the College Commons. No permission to board elsewhere will be given except under definite

arrangements with the Committee on the Commons. Board at the Commons is $4.50 per week. Board must be paid in advance at intervals of two weeks, and those who fail to meet this requirement will promptly be deprived of attendance at the Commons tables.

YEARLY EXPENSES FOR YOUNG WOMEN

Tuition,	$75.00	$75.00
Room with Board,	198.00	to 220.00
Textbooks, class dues, etc.,	20.00	30.00
	$268.00	$300.00

Residence on the campus is required of all young women students not living with their families, except as special permission to live elsewhere may be granted to those partially self-supporting. Most of the rooms accommodate two students. All the rooms are heated, lighted, and equipped with the heavy furniture.

A limited number of young women may secure room with board in the Cheney dining room for $161.00 and service amounting to not more than an hour daily. Students wholly dependent upon their own efforts are advised to accumulate some reserve funds before entering College.

To retain a room for the ensuing year, a deposit of $5.00 must be made on or before June 1st. This amount will be refunded to students prevented from entering, if application for its return is made before September 1st.

No reduction can be made for temporary absence. For withdrawals in case of illness the loss will be shared by the College, for one-half the current semester.

Correspondence regarding living arrangements should

be addressed to the Dean of Women. Checks should be made payable to "Rand Hall Account."

LABORATORY FEES

All students taking laboratory courses in Chemistry, Physics, Biology, and Geology, are charged an additional fee varying from two to five dollars each semester, according to the nature and amount of the work.

BILLS

A deposit of twenty-five dollars with the Assistant Treasurer is required from each student on the first day of each semester. Modifications of this rule may be made with the President for students having scholarships or deferred tuition. Bills for the first semester must be paid in full to the Assistant Treasurer by November 15, and for the second semester by March 15. Students who are unable to pay their bills on or before the above dates must present to the Assistant Treasurer their requests for extension of time for payment before the date on which the bills are due. The Assistant Treasurer has authority to extend the time for payment for a period not exceeding two months. In exceptional cases, the payment of not more than one-half of the current bill may be postponed till the opening of the following semester. No extension can be granted to Seniors on the bills for the second semester. Students having leave of absence from College on the above dates are required to settle their College bills within five days after their return. Students that fail to comply with the above requirements will be subject to an additional charge of one dollar for each week, or fraction thereof, elapsing after the regular dates of settlement.

Copies of semester bills are mailed at the close of each semester to the parents or guardians of all students whose bills remain unpaid.

Students will not be dismissed from College on request until they have paid all their College bills, including those of the current semester.

Students and graduates for whom tuition has been deferred will not be recommended or certified to graduate or professional schools until they have paid all tuition in arrears.

BUILDINGS AND EQUIPMENT

The College has fifteen buildings. These are kept in good repair and in the best sanitary condition. They are all heated by steam and lighted by electricity.

CHAPEL

What was long the most urgent need of the College, a suitable place for daily worship by Faculty and students, is at length fully met. Through the wonderful generosity of a devout Christian woman the sum of $60,000 was in January, 1912, placed in the hands of the Treasurer of the College to ensure the erection of a worthy Chapel and the installment of an appropriate organ. To this amount $5,000 was subsequently added. The building is 125 feet in length and 55 feet in breadth. It affords seats for 900 persons, 800 upon the floor and 100 in the gallery. The latter is at the front end of the building and above the main entrance. On exceptional occasions, such as Commencement, the seating capacity can be increased by utilizing the spacious chancel to more than one thousand. There are two rooms connecting directly with the chancel—one on either side. One of these rooms is for the choir; the other for those officiating in the religious services. The organ, built by Hook and Hastings of Boston, is placed directly over the choir room. It is an instrument worthy of the Chapel and its sacred uses. The Chapel is of granite and is of Gothic design, after the English collegiate style. The audience room is open to the roof,

thus disclosing its supporting timbers. There are four towers, two at each end in conformity to the general style of the architecture. The corner stone was laid with appropriate exercises on November 6, 1912. The Chapel was dedicated on January 7, 1914.

HATHORN HALL

Hathorn Hall, a beautiful and substantial building of three stories, contains an Assembly Room, ten lecture rooms, and a large study and a cloak room for women students. Through the generosity of successive classes, nearly all the rooms in this building have been finished and furnished with excellent taste. This Hall takes its name from Seth and Mary Hathorn, of Woolwich, Me., who in the early history of the institution contributed generously toward its erection.

HEDGE LABORATORY

The building of the department of Chemistry is called Hedge Laboratory, in honor of the late Isaiah H. Hedge, M. D., of Waukon, Iowa, who furnished the means for its erection. It is a two-story building finely located and of attractive modern style. Important improvements in this building have recently been made by which its capacity has been increased considerably and the general conveniences much improved. On the first floor of the laboratory are the chemical lecture room, with rooms adjoining for chemicals and apparatus, and a class laboratory room fitted up with tables and sinks sufficient to accommodate thirty-two students. The large laboratory room for qualitative analysis occupies the most of the second floor. It is well lighted, thoroughly ventilated, and conveniently

fitted with sinks, hoods, and tables sufficient to accommodate seventy-three students. Adjoining this room are the weighing and apparatus rooms and the private laboratory of the head of the department. The removal of the coal bins and steam boiler from the basement of this building made it possible to use the whole of that floor for stock and laboratory rooms. Excellent accommodation has thus been provided for ninety-seven additional students.

The arrangement and appliances of the whole building are in accordance with most approved plans of modern laboratories.

The enrollment in this department is so large as to render imperative the doubling of the capacity of the Laboratory at the earliest practicable date.

CARNEGIE SCIENCE HALL

In January, 1908, Mr. Andrew Carnegie made a subscription of $50,000 for the erection of a new science building. The conditions of the gift having been met, the corner stone was laid during Commencement week of 1911. The building was opened for occupancy in September, 1912, and was dedicated January 14, 1913.

Three departments of the College are provided with commodious and convenient accommodations in Carnegie Science Hall.

The most used rooms of the Biological Department are located on the first floor. The lecture and recitation room has a raised floor so that the seats at the rear of the room are two feet above those in the front row. At present the equipment includes: fifty-five iron-framed tablet arm chairs; a lecture and demonstration desk furnished with a sink, aquaria, gas and electric connections, cupboards and drawers.

Adjoining the recitation room is the department library, known as the Ira H. Bickford Biological Library of Bates College. This library was established by Mr. Bickford in June, 1911. The room is furnished with reference table, chairs, a librarian's desk, book shelving, and card catalogues. Special mention should be made of a valuable collection of ornithological works presented to the Library by Prof. J. Y. Stanton.

Opening out of the library, in the east corner of the building, is the office and private laboratory of the head of the department.

The laboratory for histology and general microscopy opens out of the main corridor and occupies the northwest corner of the first floor. This room is unusually well equipped with windows, and electric fixtures for artificial illumination. The furnishings and technical apparatus for this laboratory are extensive, modern, and selected with care as to their special purposes.

Also opening out of the main corridor, and occupying the entire southwest end of this first story, is the large general laboratory for the courses in vertebrate and invertebrate zoölogy. Like other laboratories of the building, this has associated with it a supply room.

The entire northeastern half of the third floor has been set aside for a biological museum. The Biological Museum is especially fortunate in its extensive and valuable collection of ornithological specimens. In addition to the regular teaching collection, which includes representatives of nearly all the New England species, besides many from other parts of the United States, and from foreign countries, Prof. J. Y. Stanton has presented his entire private collection of mounted birds and skins. This collection includes several specimens of extinct forms and many rare species.

The entire fourth floor is used as a vivarium. It is divided into rooms as follows: a large animal room, a supply room, and a room for the experimental breeding of animals and plants.

In the basement, the Biological Department has the following accommodations: a taxidermy and tool room; a supply room; and a dark room.

The second floor of the building is allotted to the Department of Physics. The lecture room is fitted with seats for fifty-five students, a stereopticon stand, a lecture table equipped with gas, water, and electricity—both alternating and direct current. The room is ventilated by the electric fan.

Adjoining the lecture room is a commodious apparatus room fitted with a large counter and wall shelves. The cabinet is well supplied with apparatus for lecture table and laboratory experiments.

Adjoining the apparatus room is a large laboratory equipped with water, gas, and electricity for advanced work in Physics. This room is fitted especially for electrical work. Connected with this laboratory is a photographic dark room and a private laboratory and office for the head of the department.

At the other end of the building is a large laboratory for the elementary work in Physics, fitted with tables and wall shelves, supplied with gas and electricity for experimental work.

In the basement of the building is a dynamo room containing the main switch-board that serves both as a main feeder for the building and as an experimental board. A small shop adjoins the dynamo room, equipped with an assortment of tools for repairing apparatus.

A large Physiological laboratory in the basement is

for the present used as a drafting room and contains stands for about forty-five students. This room is fitted with wall cabinets having numerous drawers and cupboards.

The recitation room for the Physiological department is upon the third floor. In location, size and equipment this room is similar to the recitation room on the first floor.

The rear entrance to the building opens directly into a receiving and unpacking room. There are three lavatory rooms, one in the basement, another on the first floor, and a third on the second floor. A large general supply room and a sterilizing room are also located in the basement. An efficient ventilating system is connected with all basement rooms and with the three recitation rooms.

CORAM LIBRARY

Coram Library, dedicated in 1902 and named for Mr. Joseph A. Coram, of Lowell, Mass., who contributed twenty thousand dollars towards its erection, is one of the most beautiful and best planned buildings of its kind. Its reading, reference, seminar, and stack rooms are models of taste and convenience. The furnishings throughout are of the most approved designs for modern libraries.

Individuals disposing of private libraries could find no better place in which to perpetuate the usefulness of rare and standard works. The shelving capacity has just been largely increased by the construction of a second story stack room.

The library is classified according to the Dewey system; there is a dictionary card catalogue; access to the shelves is entirely unrestricted. Attention is given to helping the students in using the catalogue, reference books, and special bibliographies. Books selected by

teachers for special reading in connection with class work are reserved on shelves near the delivery desk.

The number of volumes in the library is 42,877.

The College library has been selected with special reference to the needs of the several departments. It is composed mainly of modern publications, and contains many important works of reference.

Special funds from which income for the purchase of books is derived are the following:—

The Benjamin E. Bates Library Fund, founded in 1906, by a gift of $10,000 from Mr. Clement S. Houghton of Boston. This fund was given in memory of Benjamin E. Bates, the son of the Benjamin E. Bates whose name the College bears, and himself for twelve years a devoted and efficient member of the Board of Fellows of the Institution. The income of this fund is expended in the purchase of works upon History, Economics, Sociology and Mathematics—subjects in which Mr. Bates was much interested.

The Stephen and Mary Stickney Library Fund was established in 1909 by a legacy of $7,000 from Mrs. Mary M. S. Spaulding in memory of her parents.

The French library of the late Isaac L. Rice, LL. D., numbering 1800 volumes and thought to be the most valuable private collection of its kind in America, has been presented recently to the College by the family of Dr. Rice and has been placed in the Art Room of the Library. This room is designated as the Isaac L. Rice Room.

Considering the expense involved in purchasing books most necessary to keep the library abreast of the times, the generous aid of friends of the College is invited to the establishment of new funds.

The library is open during term time from 8.30 A. M.

to 12.10 P. M., 1.30 to 5.30 P. M., and from 7 P. M., to 9 P. M., daily, except Sunday.

The privileges of the library are extended to graduates of the College and to the clergymen of Lewiston and Auburn; also to other persons on recommendation of the President or the Library Committee.

One of the largest rooms has been reserved for the reception of statuary, bronzes, pictures, and curios that the friends of the College have been waiting to give when a suitable place should be provided.

Among other valuable gifts are casts of the Apollo Belvedere and the Diana of Versailles—both of heroic size. Under the will of the late George W. Harris of Boston, in commemoration of his intimate friendship with the first Benjamin E. Bates, the College has come into possession of a choice collection of music, including many rare manuscripts.

The College recently received from the late Rev. Dr. Charles G. Ames, of Boston, an ideal bust of Christ, one of the works of noteworthy merit by Hiram Powers.

Through the generosity of Miss Annette P. Rogers, of Boston, the College has several hundred large photographs, excellent copies of celebrated originals in the famous museums of the Old World. Miss Rogers has also given an admirable card catalogue of the photographs and 20 volumes of helpful books upon art. Several choice oil paintings, copies of masterpieces in the Florentine galleries, have lately been presented to the Library.

LIBBEY FORUM

Through the generosity of the late Honorable W. Scott Libbey, the Literary Societies and the Christian Associations of the College have been provided with large, beau-

tiful, and convenient rooms—one for each of the three Societies and a fourth for the Y. M. C. A. and Y. W. C. A. Libbey Forum has been erected to stand, and is probably the most solid and substantial structure in Lewiston. It is complete in all of its appointments. Its spacious corridors, its convenient cloak and toilet rooms, its arrangements for heat and light, and its furnishings, are all in complete harmony with the general design; and the result is an ideal home for the Societies that have long been one of the most unique and attractive features of Bates. It was dedicated on October 1st, 1909, and is now regularly occupied by the organizations for the benefit of which it was erected. The building occupies the large lot on the northern side of Mountain Avenue at its junction with College Street. The completion of this hall made available for important uses of the College the rooms that have been occupied for society purposes in Hathorn Hall and Parker Hall.

PRESIDENT'S HOUSE

The President's House, a spacious and attractive two-story building originally erected for the President's residence, has since 1895 served as a dormitory for women students.

PARKER HALL

Parker Hall affords accommodations for about one hundred young men. It has recently been renovated and modernized. The floors throughout are of hard wood. The rooms are arranged in suites, each consisting of a study and a bedroom. A commodious and tastefully furnished reception room, ample shower baths and other sanitary arrangements, and convenient and tasteful

student apartments, render this hall one of the most homelike and satisfactory college dormitories in New England. The baseball cage in the basement affords uninterrupted opportunities for practice in the winter and in stormy weather. Parker Hall bears the name of the late Judge Parker of Farmington, one of the chief contributors for this, the second building erected upon the Campus. The immediate supervision and care of this building are entrusted to the Parker Hall Association, made up of the student occupants.

ROGER WILLIAMS HALL

Roger Williams Hall is an attractive and commodious three-story brick building erected by the late Lewis W. Anthony, Esq., of Providence, R. I. This hall, formerly devoted to the needs of Cobb Divinity School, is now used for College purposes. The first floor is occupied by two large lecture rooms, the offices of the President, the Assistant Treasurer, the Registrar and the Y. M. C. A., Secretary, a reception room and a reading room. The other floors are used for dormitory purposes. The student suites in this building are unusually tasteful and convenient. They accommodate between forty and fifty young men. Through the generosity of the Alumni the best suite of rooms in this hall has been tastefully furnished for the exclusive use of returning graduates and of guests of the College. The building is under the supervision of the Roger Williams Hall Association.

A fund of $5,000 has been given by Dr. Alfred W. Anthony and Miss Kate J. Anthony for the permanent upkeep of this building.

JOHN BERTRAM HALL

John Bertram Hall is the large three-story brick building that for thirteen years was used by the departments of Biology and Physics. The completion in 1912 of Carnegie Hall left it available for dormitory purposes and it was then thoroughly renovated and in large part reconstructed. Its spacious, convenient and attractive suites of rooms afford ample accommodations for from forty to fifty students. Most of these suites are occupied by young men of the Freshman class, thus meeting an urgent need. Heated by steam, lighted by electricity, provided with shower baths and the most approved plumbing arrangements, it is one of our most satisfactory dormitories. On the first floor is a tasteful reception room with a piano and other appropriate furniture. On the wall opposite the entrance hangs a picture of John Bertram—a man whose character and career exemplify the best in Christian manhood. In the basement are the kitchen and store rooms and a convenient, spacious and well appointed dining room that serves as a "Commons" for more than two hundred young men. All the floors of this building are of hard wood and every part of it is sanitary and well lighted. Through the generosity of a friend of Bates all the suites for students have been suitably furnished. The gift in January, 1913, by Mrs. David P. Kimball of Boston, of $10,000 in memory of her father, Captain John Bertram of Salem, Mass., brought to the young men of the College facilities long needed and highly prized.

RAND HALL

Rand Hall, completed in 1905 for the women of the College, is a beautiful three-story building one hundred and twenty feet in length by forty-three in breadth.

By action of the Trustees at their annual meeting in June, 1908, this building was named Rand Hall in memory of Professor John Holmes Rand and his untiring efforts to assure a true college home to the women of Bates. It contains a large, well-equipped gymnasium, Fiske reception room for student social gatherings, rooms for the Dean and for the Instructor in Household Economy, and for sixty young women, together with laundries, kitchens, dining-room, and all the appointments of a first-class women's hall.

MILLIKEN HOUSE AND WHITTIER HOUSE

The Milliken House and the Whittier House, through the generous consideration of Hon. C. A. Milliken, are now the property of the College. With the President's House, now called Cheney House, and Rand Hall, they afford ample accommodations for the young women of the College.

THE BATES COLLEGE UNION

For this building the sum of $91,000 is now available—$50,000 in cash in the College treasury and $41,000 in subscriptions to be paid when called for. Contractors are now studying the plans and specifications as prepared by the architects, Coolidge and Carlson of Boston. The Bates Chapel, planned by the same architects, affords good assurance that the new building will be beautiful, substantial, and suitable. It will meet what has long been a foremost need of the College. It will afford adequate offices, study and committee rooms for the Bates Y. M. C. A., and for the social, literary, scientific, and musical interests now under the care of our young men. It will afford further a good number of guest room suites and

large and inviting rooms for rest and recreation, healthful games, reading, and instrumental and vocal music. And it will enable Bates to welcome visitors and to entertain guests from other colleges as well as delegations from secondary schools.

The construction of the building will be delayed till early spring.

The building should have an endowment of from $10,000 to $15,000 in order to ensure its proper upkeep and care. It is anticipated that when completed it will powerfully contribute to the maintenance of our Bates ideals and to the cultivation of a happy and helpful social life among our young men—thus rendering them indifferent to the distracting and often harmful influences of many of the forms of entertainment offered in our cities. It will be a rallying center for graduates as well as undergraduates and cannot fail to be promotive of that loyal devotion upon which our hopes so largely rest. It is confidently expected that friends of the College will provide the means still needed to ensure the full realization of the plans and ideals of which the Bates College Union will be a permanent expression.

CENTRAL HEATING PLANT

The people of Maine by the unanimous action of their Legislature during the session of 1908 generously recognized the service rendered by Bates College to educational work in their State by the appropriation of $45,000 for the construction of a Central Heating Plant for the Institution. This plant was completed under the supervision of competent engineers. It materially lessens the cost of heating the College buildings and promotes at once the health, the comfort, and the convenience of their

occupants. In its construction, provision has been made for extending its advantages to buildings hereafter to be erected.

GYMNASIUMS

The Men's Gymnasium, a two-story wooden structure, with basement, has been a very useful building; but it should give place as soon as practicable to a more capacious and substantial structure of modern design. A new gymnasium adequate for our needs would cost $100,000.00.

Subscriptions for this building are earnestly solicited. The immediate erection of a gymnasium for our young men might well engage the interest of some large-hearted, wealthy man or woman.

The Gymnasium is steam heated and equipped with the apparatus necessary for the thorough and systematic training and development of the human body. This apparatus is new and of the most approved modern pattern. In the basement of the Gymnasium are a pair of excellent bowling alleys; also convenient bathrooms, provided with lockers, hot and cold water, dip baths, shower baths, etc.

The gymnasium for women in Rand Hall is well equipped for class drill and apparatus work and provides for indoor recreation such as basketball, volley ball, indoor baseball, etc. The room adjoining the gymnasium is suitably fitted with shower baths and lockers.

The athletic grounds for women provide for field hockey, basketball, baseball, tennis, etc.

ATHLETIC FIELD

The Garcelon Athletic Field, named in honor of the late Alonzo Garcelon, M. D., of the original governing board of the College, is considered one of the best in New

England. It has a tasteful and commodious grand stand, sufficient for all present needs. The field, surrounded by a fence, has an area of seven acres. It contains a quarter-mile track, a two hundred and twenty yard straight-away, take-offs for the jumps and pole vault, a football field, and a baseball diamond.

OUTDOOR RUNNING TRACK

The wooden track is rectangular in shape with a straight-away course of 74 yards. The width of the straight-away is ten feet. The rectangle is five feet in width with a course of twelve laps to the mile. The track is located near the Gymnasium. It is of modern arrangement, and, undoubtedly, the best in the State of Maine.

TENNIS COURTS

Ten fine tennis courts offer abundant opportunity for this healthful game.

STUDENT LIFE

SOCIETIES AND ORGANIZATIONS

Bates has no secret societies. But the various interests of a wholesome student life are sustained and promoted by means of appropriate organizations,—both for the young men and for the young women.

The three older Literary Societies,—the Eurosophian, the Polymnian, and the Piærian—are carried on by the young men. Eurosophia is devoting most of its time to debating, declamation and composition; Polymnia to problems of Military Science and History; and Piæria to extempore speaking.

Four societies for debating and parliamentary practice, for the cultivation of literary and musical tastes and for practice in composition, for the promotion of interest in fine arts, for the discussion of current events and for fostering a helpful social life are maintained by the young women.

The Spofford Literary Club, composed of both young men and young women, has been organized recently, and its name and purpose constitute a choice tribute to the memory of the lamented Professor Spofford.

The Jordan Scientific Society, also recently organized, takes its name in honor of Dr. L. G. Jordan, Head of the Department of Chemistry. Its members are young men who find themselves eagerly interested in Science.

The Politics Club, organized in 1912, is composed of young men from the Junior and Senior Classes who are

interested in the science of politics and government. The programs of the meetings are in charge either of the regular members, or of invited guests who address the Club on appropriate subjects. The Club is a member of the Inter-Collegiate Civic League.

The Phil-Hellenic Club is a new society for students interested in Greek literature, life, and customs. Its purpose is a more thorough and personal appreciation of these matters than is afforded by curriculum courses. The club meets monthly, and very interesting and instructive articles have been contributed on such subjects as "Athenian Life," "Religious Views of Æschylus," and "Recent Discoveries in Crete."

Le Cercle Française serves a like purpose for students of French. Meetings are held once a week, and are conducted entirely in the French language and according to parliamentary rule. Papers relating to science, business, athletics and social life have been read at various times, always followed by a general discussion. All meetings are closed by the singing of the national anthem of France, "La Marseillaise."

A Deutscher Verein has been formed among the young men of the Junior and Senior Classes, and a Deutsche Gesellschaft among the young women of the Senior Class. Meetings are held every two weeks at which there are presented varied programs of a social and literary nature dealing with German life, manners, and customs.

The Press Club has recently been reorganized: its function is to supply the papers with Bates news.

The Intercollegiate Prohibition Association has a branch organization at Bates which is studying the liquor problem and preparing for aggressive practical work.

The Athletic Association is an organization of the men

of the College for the promotion of physical training and of athletic sports.

The Women's Athletic Association is an organization of the women of the College for kindred purposes.

The young men maintain an orchestra, a Glee Club, and a Mandolin Club; and the young women, a Glee Club and a Mandolin Club.

No student organization of the College may incur any financial obligation, or make any contract involving monetary consideration, without first obtaining the sanction of the President of the College, or of the proper Faculty committee under whose supervision the organization is placed. In the event of the contemplated formation of any such new organization, the President of the College must first be consulted; and, if permission be granted to effect such organization, he will advise the student representatives of the particular Faculty committee under whose supervision the organization is placed.

A Bates Chapter of Delta Sigma Rho was instituted on the twenty-first of June, 1915. All men participating in intercollegiate forensics are eligible for membership in this organization.

At the meeting of the Council of the United Chapters of Phi Beta Kappa held in September, 1916, a charter was granted to Bates, and the Phi Beta Kappa, Gamma Chapter of Maine, was installed May 29, 1917.

RELIGIOUS LIFE

At 9.45 A. M., six days in the week, all the students, with the Faculty, assemble in the Chapel for reading of Scripture, prayer and singing. A committee composed of members of the Faculty are active in promoting the religious life of the College. The women students have

vesper services in Fiske Hall Sunday evenings. Occasional vesper services, open to the public, are held in the College Chapel.

The last Thursday in January is observed as the Day of Prayer for Colleges and is set apart entirely for religious meetings. A sermon to which the public are invited is preached in the Chapel at 10 A. M. Christian friends of the College are asked to remember this day. The Elizabeth Garcelon Messer Fund assures the presence of an eminent and earnest speaker.

The two Student Christian Associations—Young Men's and Young Women's—are active and flourishing. They hold weekly meetings on Wednesday evenings: the Young Men's Association in the Assembly Room, Roger Williams Hall, at 6.30, and the Young Women's Association in the Fiske Room, Rand Hall, at 6.45. Beside student leaders—members of the faculty, pastors, visiting lecturers and secretaries often speak at meetings arranged by the Associations. The weekly meeting, however, is but one of the many helpful activities of these Associations in the life of the College.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The College employs a resident, graduate, Young Men's Christian Association Secretary, and he and the leaders of the organization are in close touch with the leaders and secretaries of the International and World's Student Movement.

The Department of Administration looks after the business affairs of the Association, keeps proper records, secures reports, furnishes publicity, and assists in maintaining an office in Room 3, Roger Williams Hall, where daily office hours are kept.

The Religious Education Department plans for and conducts the weekly meetings, manages special campaigns in sex education, evangelism and missions, and promotes the devotional life of the men of the College.

It also maintains classes in voluntary Bible study which are conducted in the first semester under faculty and student leadership; the emphasis in the second semester is placed on the study of missions, North American and world problems. Special committees present the latest opportunities for service in mission and temperance activities.

The Campus Service division of the social work of the Association includes the issuing of the annual college handbook, the extension of courtesy and hospitality to new students, the promoting of the special tutoring work of the institution, the presentation of wholesome and enjoyable entertainments, the selling of second-hand text-books, visitation of the sick, and the securing of employment.

The Community Service Department teaches English, civics, etc., to foreign workmen; sends deputations to churches, communities, preparatory schools and institutions; furnishes teachers for Sunday Schools and leaders for boys' clubs; co-operates with local pastors in interesting students in the work of the churches; assists in allying graduates with definite Christian service in the communities to which they go.

An Advisory Board, composed of representative members of the College Faculty, Alumni, student body and local business men, exercises a relation of oversight and counsel to all the Association activities.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The work of the Young Women's Christian Association is much like that of the Men's. It is officered by the young women, who in consultation with an advisory board, and under the direction of a visiting Secretary and other officers of the National Board, engage in various activities. Membership and Social Committees co-operate in welcoming the new students, correspond with them during the summer, share in the distribution of handbooks, meet them at the trains, give an afternoon reception on Mt. David the day College opens, unite with the Y. M. C. A. in a reception on the first Friday evening, and later a Hallowe'en party, and provide other informal social gatherings for the young women during the year.

The Bible Study and Missionary Committees arrange for classes during the first and second semesters respectively. The Missionary Committee also secures co-operation in the support of the worker kept in the foreign field by a group of Associations, and corresponds with various Alumnae in the work. It supervises the observance of the week of prayer.

The Social Committee visits the Old Ladies' Home, the Children's Home, provides teachers for Sunday School classes, secures gifts for Christmas time for poor children in the city, directs the work of the Eight Weeks' Club in College, distributes flowers to the sick, aids students needing help along various lines. It co-operates with the city Christian Association in teaching classes.

The Association New Committee supplies posters and periodicals on the work of the Association and other Associations. The Town Committee is concerned with interests of the girls not residing on the Campus. A group of girls attend the Silver Bay Conference each year.

GENERAL INFORMATION

COLLEGE PUBLICATIONS

The *Bates Student* is published weekly under the direction of Editors and Managers selected from the Junior Class. The first number was issued in January, 1873.

The *Bates Bulletin*, published every three months, gives full information respecting the progress of the College. It will be sent to any address, upon application to the Registrar, for fifty cents a year.

GEORGE COLBY CHASE LECTURE FUND

On Commencement Day, June 28, 1906, one of the Trustees of the College announced the creation of a fund of $5,000 for the establishment of the George Colby Chase Lecture Fund for the maintenance of a permanent course of lectures to be known as the George Colby Chase Lecture Course. The College is indebted for this lecture fund to the late Honorable William Wallace Stetson, a former State Superintendent of the Public Schools of Maine. The purpose of the donor is definitely stated in the following citation from a prescribed trust agreement since executed: "Fourth, That the income of said fund shall be used exclusively for the maintenance of Lecture Courses in said College, and that no part of said income shall be used for any other purpose. Fifth, That speakers shall be selected who have done something worthy of special commendation, who have a message, and who can deliver it in such a manner as will be helpful to College students."

The far-reaching significance and substantial value of this lecture course for Bates students, thus made coeval with the life of the institution, can be better appreciated a century hence than now. This trust faithfully administered will break the isolation too often existing between the college and the world, and assure to every Bates man and Bates woman the quickening influences of great leaders in thought and achievement. Some of the lectures thus far given under the provisions of this fund have been by Rev. Lyman Abbott, D. D., Rev. Hugh Black, D. D., Mr. George W. Cable, Professor R. W. Wood of Johns Hopkins University, Rev. Charles F. Aked, D. D., Henry S. Pritchett, President of the Carnegie Foundation for the Advancement of Teaching, Hamilton Holt, Managing Editor of the *Independent*, Edward A. Steiner, D. D., of Grinnell College, Booker T. Washington, William T. Ellis, John Nolen, Edgar M. Banks, Ph. D., Seumas MacManus, Alfred Noyes, S. S. McClure, Professor Albert B. Hart, and Robert Frost.

UNIVERSITY EXTENSION

Members of the Faculty are prepared to give lectures upon subjects in Science, Literature, Philosophy, History, Economics, Sociology, Pedagogy and Art. Particulars can be learned by correspondence with the President, or the Secretary of the Faculty.

RESOURCES

Within a few years the resources of the College have been trebled. This has been due in large measure to the generosity of Mr. Andrew Carnegie and of Mr. Bartlett Doe, late of San Francisco, each of whom gave $50,000 toward increasing the endowment; $60,000, also, were

given by Alumni and other friends of Bates in response to a condition imposed by Mr. Carnegie. Nearly $60,000 more were added to the permanent fund by meeting the conditions of Mr. Carnegie's subscription for the science building, and by other gifts, and in January, 1913, Honorable D. D. Stewart, of St. Albans, presented $50,000 in memory of his brother, the late Levi M. Stewart, Esq., of Minneapolis, Minn. The total invested funds of the College at the present time amount to about $930,000; and its total resources, including grounds, buildings, library, and apparatus, have a value of fully $1,300,000.

THE PUBLIC SERVICE OF BATES

To all who can prize her contributions to the intellectual and moral forces that must save our country Bates can unhesitatingly appeal. Of her graduates about 43 per cent have become teachers, and nearly 11 per cent ministers, the latter being distributed among ten religious denominations. Within recent years Bates has made important contributions to the foreign mission field. Eighty-one graduates have filled positions in Universities and Colleges, and more than this number have won distinction as State, City, and District Superintendents and as Principals of important Secondary Schools. Among the Higher Institutions to which Bates has contributed teachers are Albion, Amherst, Amherst Agricultural, Armour Institute, Bates, Bishop, Brown University, Carleton, Colgate University, Connecticut Agricultural, Cooper Institute, Cornell University, Dartmouth, Denison University, Drury, Fairmount, Grant University, Harvard University, Hillsdale, James Milliken, Keuka, Knox, Miami, Middlebury, Massachusetts Institute of Technology, Northwestern University, Norwich University,

Oahu (Hawaii), Pennsylvania State, Princeton University, Pomona, Redfields, Reed, Shaw University, Mt. Holyoke College, Syracuse University, Tufts, University of California, University of Colorado, University of Illinois, University of Iowa, University of Maine, University of Montana, University of Oregon, University of Utah, Washington State College, University of Wisconsin, Western Reserve University, William Jewell, Williams, Worcester Polytechnic Institute, Yale University, Yankton. In Authorship, on the Bench, in Legislation, in Journalism, Law, Medicine, and Engineering, Bates has distinguished representatives; while nearly the entire body of her Alumni have proved themselves pure, earnest, useful citizens, ready for every good word and work, and making happier and better the communities in which they have lived. The thorough preparation that Bates gives for public speaking is shown by the honors won in the last thirteen years in thirty-one out of forty-one inter-collegiate debates—seventeen of these with Universities. More than one hundred graduates and under-graduates are now in the service of their country on land or sea. Among them are a Brigadier General and Chaplains, Majors, Judge Advocates, Captains, Lieutenants, Sergeant's, and men not less patriotic in the ranks.

BATES AND THE CARNEGIE FOUNDATION

The high standards of scholarship maintained at Bates and the breadth and liberality of her administrative policy are indicated by the fact that she was admitted to the benefits of The Carnegie Foundation for the Advancement of Teaching in June, 1907. She has been characterized from the beginning of her history at once by her insistence upon Christian standards of character and conduct

and by her freedom from sectarianism. Her original charter contained no denominational or creedal conditions; and the slight change from the breadth of management that had been made in 1893 was, by the unanimous vote of her Trustees, removed in 1906. Her application of Christianity to life finds expression in her supreme endeavor to educate her students for good citizenship and for self-denying service to mankind.

REASONS FOR AIDING BATES

1. To a large number of young men and young women she offers their sole reasonable hope for obtaining a liberal education. Both the necessary and the incidental expenses are lower than at any other New England College.

2. In the number and quality of her graduate educators, Bates is not surpassed, and, perhaps, not equalled, by any other College in America.

3. She has been successful in securing character as well as scholarship.

4. She is unsectarian.

5. Her location is the best possible for her usefulness. She gathers from a constituency widening every year young men and young women of small means but of great promise, some of them traveling hundreds of miles to secure from her the New England culture of heart and mind, that they may use it for the good of our entire country.

6. She took up the cause of higher education for women when it was unpopular.

7. Every dollar given to her work strengthens the forces that are shaping our Christian civilization.

8. She has but $970,000 for carrying on work for which most New England Colleges require $2,000,000 or more.

SUMMARY OF NEEDS

1. $500,000 as an immediate addition to the permanent fund, in order to ensure the efficient maintenance of present work, the development of existing departments, the endowment of a chair of Economics and the increase of the salaries of the teachers to a living basis. This need is painfully intensified by the startling increase in the cost of living expenses and of the general upkeep of the College. The deficit for the financial year ending May 31, 1918, will be $30,000, unless averted by contributions. This is due in part to the withdrawal of students to engage in patriotic service.

2. $20,000 for doubling the capacity of the present Chemical Laboratory.

3. $5,000 to pay for the furnishing of Coram Library and to secure additional appliances.

4. $50,000 as a permanent fund for the Library.

5. $150,000 for additional Scholarships for deserving students.

6. $100,000 for the erection of a new Gymnasium for the men students.

7. $100,000 for the erection and maintenance of an Astronomical Observatory and the support of its Director.

8. $10,000 for the grading and improvement of the Campus.

9. $30,000 for a student loan fund.

10. $25,000 for an additional dormitory for women.

The total of the amounts named is about $1,000,000. We can do a valuable work while waiting for some of these needs to be met; others of them are urgent; all of them are implied in the plan of the institution; and could they be met at once, the result would justify the

outlay. The enlargement of the Chemical Laboratory, the erection of a Gymnasium for the young men, the grading and improvement of the Campus, and another dormitory for the young women can be delayed only with serious loss to the College.

GIFTS

All departments of Bates College are under the care of the same Board of Trustees, and all gifts and bequests should be made to "The President and Trustees of Bates College." When bequests are designated for the uses of a particular department, or for any other special purpose, they are limited to such purposes. But the experience of colleges shows that it is desirable to have the specific use of the income and endowments left as far as possible to be determined by the Trustees as the needs of the growing work may demand. The work of Bates College has greatly outgrown the present equipment, and there is pressing need of additional endowments, scholarships, and buildings.

FORM OF BEQUEST

I give and bequeath to The President and Trustees of Bates College, a corporation existing in Lewiston, Maine, the sum of.....Dollars, for an endowment fund, to be called.....Fund (or Professorship, or Scholarship).

FORM OF ANNUITY BOND

Whereas, The sum of.....Dollars has been given to The President and Trustees of Bates College, Lewiston, Maine, by.....of.....

upon condition that, in consideration of said gift, an annuity of.....Dollars be paid to the said .....during.....life;

Therefore, The President and Trustees of Bates College hereby agree to pay the said sum of..... Dollars to the order of said.....at the Treasurer's Office of said College, during the natural life of said .....commencing January first, Nineteen Hundred.....

In witness whereof the President and Trustees of Bates College have hereunto affixed their Corporate Seal and caused this bond to be signed by their President and Treasurer at Lewiston, Maine, this.....day of..... 191...

SCHOLARSHIPS

State Scholarships—There are ten State Scholarships (each yielding $50 annually) in the hands of the Governor; and in bestowing them preference is given to the children of those who have borne arms in defense of their country, and always to students who are needy and meritorious.

Each of the following scholarships has been endowed by a donation of one thousand dollars, and pays $50 a year to the student elected to hold the scholarship.

Redington Scholarship—For a Lady Student—Endowed by the late Hon. Asa Redington, LL. D., of Lewiston. This is supposed to be the first instance of such an appropriation in any college.

Dudley Scholarship—Endowed by the late Alvin D. Dudley, Esq., of Haverhill, Mass.

Cheney Scholarship—For a Student from New Hampshire—Endowed by the late Hon. Person C. Cheney, A. M., of Manchester, New Hampshire.

Woodman Scholarship—Endowed by the Paige Street Free Baptist Church, Lowell, Mass., in memory of Rev. Jonathan Woodman, late pastor of the church.

Symonds Scholarship—Endowed by the Plymouth Street Free Baptist Church, Portland, in memory of Joseph Symonds, Esq., a deacon of the church.

Clements Scholarship—Endowed by the late Rev. Tisdale D. Clements of Lewiston.

Bridge Scholarship—Endowed by the late Charles Bridge, Esq., of Gardiner.

Lewis Scholarship—Endowed by the late Chace Lewis, Esq., of Providence, Rhode Island.

Class Scholarship—Endowed by the Class of 1877.

Bartlett Scholarship—Endowed by the Main Street Free Baptist Church, Lewiston, in memory of Rev. Flavel Bartlett.

Nathaniel Bowen Scholarship—Endowed by the late Mrs. Hannah Bowen of Providence, Rhode Island.

Cobb Scholarship—Endowed by the late Hon. C. C. Cobb of Lewiston, in memory of his son, Rev. Frank Woodbury Cobb, A. M., class of 1873.

Houghton Scholarship—Endowed by the late Rev. Alphonso L. Houghton, A. M., of Lawrence, Mass., class of 1870.

Randall Scholarship—Endowed by Mrs. Abby Randall in memory of Isaac Randall, Esq., of Johnston, R. I.

Williamson Scholarship—Endowed by Elias W. Williamson, Esq., of Potters Landing, Md., in memory of his father, Rev. Stephen Williamson, of Stark.

Quinnam Scholarship—Endowed by the late Mrs. James Hobbs of Chicago, Ill., in memory of her father, Rev. Constant Quinnam.

Eaton Scholarship—Endowed by Mrs. Oliver H. Durrell of Cambridge, Mass., in memory of her father, Rev. Ebenezer G. Eaton of Lewiston.

Baldwin Scholarship—Endowed by the late B. C. Baldwin, Esq., of Lowell, Mass., in memory of his wife.

Bonney Scholarship—Endowed by Mrs. Harriet Cheney Bonney and Sherman G. Bonney, M. D., in memory of Calvin F. Bonney, M. D., of Manchester, N. H.

Frye Scholarship—Endowed by the late Hon. William P. Frye, LL.D., of Lewiston.

Nutting Scholarship—Endowed by the late Lyman Nutting, Esq., of Lebanon, Pa., in memory of his sister, Mrs. Charlotte Nutting Chadbourne.

Ellis Scholarship—Endowed by the late Miss M. A. Wales of Boston, Mass., in memory of her pastor, Rev. Rufus Ellis, D. D.

Talpey Scholarship—Endowed by the late Hon. Charles W. Talpey of Farmington, N. H.

Thissell Scholarship—Endowed by the late Mrs. Abby T. Deering of Portland, in memory of Hon. John Thissell of Corinth.

Ward Scholarship—Endowed by Mrs. Mary E. Ward, in memory of her husband, Warren Ward, Esq., of Auburn.

Bean Scholarships—Three scholarships endowed by the late Cyrus E. Bean of Portland, in memory of his father, Cotton Bean of Limerick.

Small Scholarship—Endowed by James T. Small, Esq., of Lewiston, in memory of his son, Everett J. Small, class of 1889.

Dyer Scholarship—Endowed for the benefit of some student preparing for the Christian ministry, by the late Mrs. Irene M. Higgins, in memory of her parents, Mr. and Mrs. Jonah Dyer of Cape Elizabeth.

Page Scholarship—Endowed by the late Peter Page, Esq., of New York City.

Ramsey Scholarship—Endowed by the late Mrs. V. G. Ramsey of North Berwick, in memory of her husband, Rev. G. P. Ramsey.

Mathews Scholarship—Endowed by the late John M. Mathews, Esq., of Burlington, Vt., in memory of his daughter, Orissa Frances Mathews.

Perkins Scholarship—Endowed by the late Mrs. Moses W. Shapleigh of Ashland, N. H., in memory of her father, Rev. Thomas Perkins.

Woodbury Scholarship—Endowed by friends of the late Charles Woodbury of Boston, for the benefit of some Methodist student.

Harmon Scholarship—Endowed by the late Ivory W. Harmon of Newton Center, Mass., in memory of his son, Wallace Ivory Harmon.

Mary L. Stone Scholarship—Endowed by the late James S. Stone of Boston, Mass., in memory of his wife.

Jordan Scholarship—Endowed by Merrill Page and Emily Deering Jordan, in honor of Rev. Zachariah and Sabrina Page Jordan.

Clapp Scholarship—Endowed by the late Lucius Clapp, Esq., of Randolph, Mass.

Lovina Haines Haskell Scholarship—Endowed by the late Edwin B. Haskell of Boston, Mass.

Fiske Scholarship—Endowed by the late Elizabeth S. Fiske of Boston, Mass.

Rowe and Clarry Scholarships—Endowed by a bequest of Mrs. Emily H. C. Rowe, in memory of her daughter, Miss Emma F. Clarry, and affording free tuition to four young women, preference to be given to worthy students from Brooks, Me.

Dexter N. Richards Scholarships—Endowed by Mrs. L. M. Richards of Brookline, Mass., in memory of her husband.

Stetson Scholarship—Endowed by the late Amos W. Stetson of Boston, Mass.

John D. Philbrick Scholarship—Endowed by the late Mrs. John D. Philbrick.

William Wells Cate Scholarship—Endowed by Rev. C. E. Cate, D. D., of Providence, R. I., in memory of his brother.

E. S. Jordan Scholarship—Endowed by the late Mrs. Clara Stanton Jordan, in memory of her husband.

Foster Lee Randall Scholarship—Endowed by the late Foster Lee Randall of Lewiston.

Stanley Scholarship—Endowed by Ezra B. Stanley of Manchester, Mass.

David and Thankful Jordan Scholarship—Endowed by their children.

Hopkins Scholarship—Endowed by the late Augustus Hopkins, Esq., of Gardiner, Maine, preference to be given worthy students from Gardiner.

Herrick Scholarship—Endowed by the late Katherine Gardiner Herrick and by H. Adeliza Herrick of Lewiston, in memory of their parents, Samuel and Phebe H. Herrick, late of Northport, Me.

Tarbox Scholarship—Endowed by Oren Cheney Tarbox, M. D., Bates '80, in honor of his parents, Rev. Moses H. and Mrs. Adrianna Weymouth Tarbox. Said scholarship to be applied for the aid of any deserving student, irrespective of age, color, sex or sect, preference being given, however, to a student contemplating the Christian ministry.

Osgood Scholarship—Endowed by Col. Charles H. Osgood of Lewiston, and Amy Elizabeth Hunter of Carbondale, Pa., in honor of their father and mother, Henry A. and Elizabeth H. Osgood, for the benefit of some young man or woman from the State of Maine.

Albina Elizabeth Goodspeed Scholarship—Endowed by Jessie L. Goodspeed, Gertrude C. Goodspeed, and Henry S. Goodspeed, of the city of New York, in memory of their mother,—preference in awarding the scholarship to be given to a woman student.

Class Scholarship—Endowed by the Class of 1887, descendants of members of the class to have the preference, when possible, in the benefits from the scholarship.

Arthur Sewall Whitehouse Scholarship—Endowed by the Class of 1875, in memory of their scholarly and beloved classmate, born August 25, 1853, died February 18, 1874.

Charles E. Moody Scholarship—Endowed by his sister, the late Frances S. Moody.

John P. Hilton Scholarship—Endowed by the late Mrs. Mary Hilton of Cambridge, Mass., in memory of her husband.

Clara B. Perkins Scholarship—Endowed by the late Benjamin F. Perkins, of Bristol, N. H., in memory of his daughter.

Lucia Spring Scholarships—Five scholarships endowed by Miss Mary Isabella Corning, of East Hartford, Conn., in memory of her aunt, Miss Lucia Spring. These scholarships are primarily available for young women, but may be assigned to young men.

Herbert L. Bradford Scholarship—Endowed by his parents,

Roscoe S. and Asenath J. Bradford, in memory of their son, Herbert Loring Bradford, who died in 1883 during the first term of his Freshman year at Bates,—for the benefit of a deserving young man.

Helen Hinkley Scholarship—Endowed by the late Miss Helen Hinkley of Augusta, Maine, the preference, when possible, to be given some student from the Free Baptist Church in Augusta.

Beal Scholarship—Endowed by the late Mrs. Lurenda E. Beal in memory of her children, Alice Beal and Parker Beal, who were graduated from Bates College in 1891.

Thomas Martin Scholarship—Endowed by the wife and children of the late Thomas Martin, for years an honored Trustee of Bates.

Washington Lafayette Cooper Scholarship—Endowed by Mrs. Sarah D. Cooper, of New York, in memory of her husband.

Mary Rhoda Emery Scholarship—Endowed by the late Mrs. Ella Rhoda Emery in memory of her daughter, for the benefit of a deserving woman student.

Grenville Pike Emery Scholarship—Endowed by Grenville C. Emery, Bates '68, in memory of his son, for the benefit of a worthy young man.

Ellen Byron Scruton Scholarship—Endowed by the late Ellen Byron Scruton of Lewiston.

Prouty Scholarship—Endowed by Miss Annie B. Prouty of Somersworth, N. H., in memory of her mother, Mrs. Martha A. Legro, to be given annually to some student, preferably a relative of the donor.

The Jennie R. Smith Scholarships—Five scholarships of $1,000 each, endowed by the late Hon. Oromandal Smith to perpetuate the memory of his wife.

The Knowlton Scholarships—The late Hon. Hiram Knowlton of Portland, Maine, deposited with the Treasurer of the College $3,000, the income of which sum is to be used, when under the stipulated conditions it shall become available, for the maintenance of the following scholarships:

William and Mary Knowlton Scholarship—To perpetuate the names of his parents.

Sabrina Wood Knowlton Scholarship—To perpetuate the name of his wife.

William James Knowlton Scholarship—To perpetuate the name of his son.

Weber Scholarships—The Trustees, under the will of the late Frederick E. Weber of Boston, Mass., have been given five thousand dol-

lars for the maintenance of Weber Scholarships, for the benefit of needy and deserving students at Bates College. It is a condition of the gift that one-half of the income shall be added to the principal year by year; and that the remaining half only shall be used for the support of said scholarships.

Joseph S. Ricker Scholarship Fund—A fund of $10,000, the income of which is distributed in equal sums among ten deserving women students—the beneficiaries to be selected, whenever practicable, from different counties in Maine.

Bradstreet Fund—The late William W. Bradstreet of Gardiner, Me., established a Trust Fund of $2,000, the income of which is to be used for the benefit of deserving students, under the direction of the President of the College, and in accordance with certain conditions specified in the trust.

Coe Scholarship—A scholarship of $3,000, endowed by Thomas Upham Coe, of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

Dana Estes Scholarship—A permanent scholarship of $2,500, endowed by the late Dana Estes, A. M., of Boston, the income to be awarded annually to some needy and deserving student.

Henrietta G. Fitz Scholarship—A scholarship of $1,500, endowed by Mrs. Henrietta G. Fitz, of Boston, the income to be awarded annually to some worthy graduate of Proctor Academy, Andover, N. H.

John Bartlett Kezar Scholarship—A scholarship of $2,000 endowed by Mrs. Nancy M. H. Kezar, of San Francisco, in memory of her son. In awarding this scholarship preference is to be given to a deserving student from Turner, Me.

Cyrus Greely Fund—From the estate of the late Cyrus Greely, the College has received $10,000,—the principal of said sum to be safely invested and to be known as the Cyrus Greely Fund, and the income thereof to be appropriated annually for the benefit of deserving students of Bates College, preference being given to students from Lewiston.

Nancy Chase Edgecomb Fund—Since the suspension in 1908 of Cobb Divinity School as a Department of Bates College and the incorporation of certain of its courses with the work of the College there has been available "for and toward the maintenance and education" in the institu-

tion of "young men who are or who may be preparing themselves to preach the Gospel of Christ" and to engage in other kinds of Christian service, "and who need and who may need aid," the income of the Nancy Chase Edgecomb Fund. The amount of this income is at present about $740 annually. It is distributed by the Committee on Scholarships under the conditions above stated.

Student Loan Funds—From the estate of the late Mellen Bray, formerly of Newton, Mass., the College has received $4,000 to constitute "The Mellen Bray Student Loan Fund." From John W. Farwell, of Boston, the College has received $2,000 to constitute "The Lorenzo Gilman Howe Student Loan Fund." The income of the above funds may be loaned at the discretion of the President of the College to needy and worthy students.

To be eligible for Scholarships, students must maintain an average rank in their College studies of 85 per cent. To be eligible for any other form of Student Aid, applicants must maintain an average rank in their College studies of 70 per cent., if Freshmen, and of 75 per cent., if Sophomores, Juniors, or Seniors. Applicants for Student Aid of any kind must be of good character, must totally abstain from the use of intoxicants and of tobacco, must be economical in all their expenditures and obedient to all College laws and regulations, and must furnish annually a correct statement of income and expenses.

Applications for aid, except from new students, must be filled out on blanks furnished for the purpose and returned to the President's office by June 1, each year. New students will be furnished, upon application, with appropriate blanks. These must be filled out and returned to the President's Office by October 15.

THE RHODES SCHOLARSHIP

Under the will of the late Cecil Rhodes one scholarship in the University of Oxford is appropriated to the universities or colleges in each state of the United States. Each scholarship has a yearly value of $1,500, and is tenable for three years.

Bates men who have been Rhodes Scholars are: Wayne Clark Jordan, '06; Charles Russell Clason, '11.

PRIZES

FIRST—FOR GENERAL SCHOLARSHIP

To a young man and to a young woman of the Junior Class, prizes of TEN DOLLARS each.

To a young man and to a young woman of the Sophomore Class, prizes of EIGHT DOLLARS each.

To a young man and to a young woman of the Freshman Class, prizes of SIX DOLLARS each.

SECOND—FOR EXCELLENCE IN DECLAMATION

In the Second Semester—To a young man and to a young woman of the Freshman Class, prizes of TEN DOLLARS each.

In the First Semester—To a young man and to a young woman of the Sophomore Class, prizes of TEN DOLLARS each.

Senior Exhibition—By means of a fund established in June, 1911, by Judge Oren Nelson Hilton, Bates 1871, of Denver, Colorado, a prize of THIRTY DOLLARS is available for the Senior whose part shall show the greatest excellence in thought, style, and delivery.

Commencement Week—To members of the Junior Class, one prize of FORTY-FIVE DOLLARS and one prize of THIRTY DOLLARS for original declamation.

THIRD—FOR EXCELLENCE IN ENGLISH COMPOSITION

In the Second Semester—To a member of the Sophomore Class, a prize of TEN DOLLARS.

FOURTH—FOR PRESCRIBED COURSES IN READING

At the close of the year a prize of TWENTY DOLLARS is presented to the member of the Freshman Class giving evidence of having obtained the best results from a prescribed course in reading.

FIFTH—FOR EXCELLENCE IN GREEK

At the close of the first semester a prize of TEN DOLLARS each is presented by Rev. W. Bertrand Stevens, of the class of 1906, to the young

man in the Freshman Class, and to the young woman in the Freshman Class, who have done the best work in Greek.

SIXTH—FOR EXCELLENCE IN LATIN

At the close of the second semester a prize of TEN DOLLARS is presented by Daniel R. Hodgdon, of the class of 1908, to the student in the Junior Class who has done the best work in Latin.

SEVENTH—FOR EXCELLENCE IN PUBLIC DEBATE

Second Semester—To a member of each division of the Sophomore Class, a prize of TEN DOLLARS.

Second Semester—The Champion Debate—Prizes amounting to TWENTY-FIVE DOLLARS; ten dollars for the best debate, and fifteen dollars to the best team. Six are chosen from the Sophomore Class to compete for these prizes.

Hon. F. M. Drew awards annually gold medals to men who win intercollegiate debates.

EIGHTH—THE BRYANT PRIZE

Through the generosity of Mr. W. H. H. Bryant of Boston, Mass., a prize of FIFTY DOLLARS will be awarded annually to the member of the Senior Class who shall prepare the best essay upon "Arbitration instead of War."

PRIZES FOR 1916–1917

For the past year the prizes have been awarded as follows:

For General Scholarship—Frank B. Quimby, Cora B. Ballard, Esther Phillips, '18; Cecil T. Holmes, Dorothy C. Haskell, Marion F. Lewis, '19; Charles E. Walton, Grace H. Hodgdon, '20.

For Public Declamation in 1917—Freshman, Frank L. I. Jenkins, Mary J. Hamilton; Sophomores, Benjamin E. Mays, Ruth A. Clayter.

For Original Declamation, 1917—Mark E. Stinson, Ruth M. Chapman, Naseeb M. Malouf.

For English Composition—Dorothy C. Haskell, '19.

For Excellence in Greek—Bernard Gould, Edith R. Maxfield, Marion G. Sanders.

For Excellence in Latin—Evelyn M. Hussey.

For Champion Debates, 1917—Merwin L. Ames; best team: Merwin L. Ames, Raymond W. Blaisdell, Charles P. Mayoh; Abbie C. Christensen; best team: Faith J. Fairfield, Dorothy C. Haskell, Carrie M. Place.

The Bryant Prize, 1917—Alice E. Lawry.

The Coe Scholarship, 1917 (see p. 146)—Edward B. Moulton.

In the Intercollegiate Debate with Tufts College the winning team consisted of Arthur A. Dyer, '17, Frank B. Quimby, '18, Charles P. Mayoh, '19.

In the Intercollegiate Debate with Clark College the losing team consisted of Perley W. Lane, Arthur L. Purinton, '17, Arthur E. Tarbell, '18.

In the Intercollegiate Debate with the University of Maine the winning team consisted of Arthur A. Dyer, '17, Frank B. Quimby, '18, Merwin L. Ames, '19.

In the Intercollegiate Debate with Colby College the losing team consisted of Charles C. Chayer, Arthur L. Purinton, '17, Arthur E. Tarbell, '18.

The members of the winning teams received the F. M. Drew medals.

For special proficiency in the work of any department, a student may receive an honorary appointment as assistant in that work. Such appointments for the present year are as follows: Argumentation, Cecil T. Holmes, Esther Phillips; Biology, Beatrice G. Burr, Myron T. Townsend; Chemistry, Dexter Kneeland, Donald B. Stevens, Mark E. Stinson, Sanford L. Swasey, Cecil A. Thurston; English, Cora B. Ballard, Ralph W. George, Marion F. Lewis; Geology, Hilda H. DeWolfe, Annie L. Leathers, Donald B. Swett, Arthur E. Tarbell; Latin, Ellen M. Aikins, Evelyn M. Hussey; Mathematics, Simeon L. Duffett, Richard F. Garland, Donald W. Hopkins; Oratory, Annie L. Leathers, Mark E. Stinson; Physics, Harold A. Strout, Karl S. Woodcock.

The staff of the *Bates Student* for 1918 is as follows: Editor-in-chief, Cecil T. Holmes; News department—Editors, Albert C. Adam, Clinton A. Drury, Bernard Gould, Dorothy C. Haskell, Newton W. Larkum, Marion F. Lewis, Gladys L. Logan; Magazine department—Literary editor, Abbie C. Christensen; Editors, John J. Dean, Hazel E. Hutchins, Marion C. Wheeler, Stanton H. Woodman; Business department—Manager, Sanford L. Swasey; Assistant managers, Frank L. Bridges, Elwood F. Ireland.

STUDENTS

SENIORS

Name	*Residence*	*Room*
†Baker, Lewis Albert	Kennebunkport	
Ballard, Cora Blanche	Fryeburg	R. H.
Barton, Dorothy Perry	Auburn	63 First Ave., Auburn
Boothby, Helena Mae	Clinton	26 Webster St.
†Boutelle, Horace Reginald	Amherst, N. H.	
Brewer, Annie May	Freeport	C. H.
Burr, Beatrice Goulding	Springvale	R. H.
Canfield, Herbert William	Groveton, N. H.	R. W. H.
Chapman, Ruth Mowry	Shelburne Falls, Mass.	R. H.
Clark, Helen Salome	Bolster's Mills	R. H.
Clifford, Stephen Parsons	South Paris	P. H.
Coleman, Julian Dorster	Saylesville, R. I.	P. H.
†Creelman, Fred Norman	Suffield, Conn.	
Cunningham, Frank	Sherman	P. H.
Currier, George Franklin	Dexter	P. H.
Currier, Vina Judith	Dexter	C. H.
†Davidson, William Joseph	Gardiner	
Davis, Donald Walter	Auburn	P. H.
DeWolfe, Hilda Hazel	Medford, Mass.	W. H.
Drake, Martha Emma	Pittsfield	R. H.
Dresser, Ruth Elinor	Berlin, N. H.	R. H.
Duffett, Simeon Lester	Framingham, Mass.	P. H.
Duncan, George James	Gardiner	P. H.
†Dyer, Robert Jean	Buckfield	
Edgecomb, Charles Freeman	South Limington	R. W. H.
Emerson, Irma Hazeldean	Auburn	R. H.
Faller, Ruth Mathilda	Thomaston, Conn.	C. H.
Findlen, Mabel Catherine	Fort Fairfield	R. H.
Fitts, Clara Emma	Hampstead, N. H.	M. H.
Fogg, Marion Bernice	Portland	R. H.
Fowler, Roy Ulrick	Millinocket	P. H.

†In military or naval service.

Name	*Residence*	*Room*
Garland, Richard Foss	Portland	P. H.
George, Ralph William	Rockland	R. W. H.
Gleave, Harold Webster	Whitefield, N. H.	P. H.
Googins, Frank James	Portland	P. H.
Gould, Ralph Bernard	Wilton	P. H.
Graham, Agnes Wooley	South Bridgton	R. H.
Green, Joseph Arthur	Lisbon Falls	P. H.
Haggett, Ethel Mae	Auburn	92 Tenth St., Auburn
†Haines, Alfred James	Newark, N. J.	
Hall, James Haviland Smith	New Rochelle, N. Y.	Gymnasium
Harvey, Alice Myrtle	Dover	R. H.
Haskell, Alfreda Maria	Oxford	R. H.
Haskell, Doris Marion	Augusta	R. H.
†Hobbs, Walden Porter	Allston, Mass.	
†Holmes, Fred	Center Barnstead, N. H.	
Hopkins, Donald Wheeler	Greenfield, N. H.	P. H.
Hussey, Evelyn May	Leominster, Mass.	R. H.
Hussey, Mary Elizabeth	Manchester, N. H.	C. H.
Ingersoll, Doris Faye	Woodfords	R. H.
Jacobs, Mary Hawes	Portland	145 Nichols St.
Judkins, Carol Ellen	Lisbon	Lisbon
Junkins, Mildred Bell	Gowanda, N. Y.	R. H.
Kempton, Donald Eugene	Haverhill, Mass.	P. H.
†Kennedy, Frank Edward	Walpole, Mass.	
Kneeland, Dexter	Lincoln	Elm House, Auburn
Knight, Elton Edgecomb	Turner Center	P. H.
*Knowles, Sylvester Bishop	Lubec	
†Lawrence, William Fuller	Leominster, Mass.	
Leathers, Annie Lilian	Lewiston	247 College St.
Libby, Mabel Lois	Auburn	30 Lake Auburn Ave., Auburn
Losier, Amy Alice	Oxford	R. H.
McCann, Genevieve Beatrice	Portland	22 Cottage St.
McIntire, Myrtle Mildred	Fryeburg	R. H.
McKeen, John Henry	West Paris	R. W. H.
Malouf, Naseeb Mahfoud	Boston, Mass.	R. W. H.
Mansfield, Laura Helen	Jonesport	R. H.
Manter, Keturah Houghton	Anson	M. H.

*Absent during the year.
†In military or naval service.

Name	*Residence*	*Room*
Martin, Mary Anna	Franklin, Mass.	R. H.
Moore, Nellie Ladd	Madison	R. H.
†Moulton, Edward Bailey	Auburn	
†Neville, John Thomas	Malden, Mass.	
Norton, Floyd Wilson	Cumberland Center	P. H.
Oakes, Marjorie Grace	Rangeley	R. H.
Phelan, Martin Goulding	Sabattus	Sabattus
Phillips, Esther	Helmetta, N. J.	C. H.
†Quackenbush, Dyke Lewis	Natick, Mass.	
Quimby, Frank Brooks	North Turner	P. H.
Randall, Agnes Muriel	Berwick	R. H.
Reed, Payson Hollis	West Dresden	P. H.
Renwick, Erle Bingham	Dorchester, Mass.	P. H.
Robinson, Inez Margaret	Island Falls	R. H.
Ross, Robert Laurence	Biddeford	P. H.
*Ryerson, Stanley Moulton	Auburn	
Schafer, Miriam Lucile	Kingfield	518 Main St.
Smith, Etta Ruth	Bridgton	C. H.
Stevens, Donald Bartlett	West Somerville, Mass.	P. H.
Stinson, Mark Emery	East Boothbay	P. H.
Strout, Harold Arthur	Auburn	14 Pine St., Auburn
†Sullivan, James Herbert	Houlton	
Swett, Donald Benjamin	Grasmere, N. H.	P. H.
Tarbell, Arthur Elwood	Lisbon Falls	Lisbon Falls
*Thompson, Amy Adwyna	Biddeford	
Thurston, Cecil Alancey	Pittsfield	P. H.
Tinker, Mildred Stanley	Auburn	102 Spring St., Auburn
Townsend, Myron Thomas	Hallowell	P. H.
True, Frances Hazel	New Portland	R. H.
Wheeler, Mildred Gladys	Lewiston	5 Shawmut St.
White, Marjorie	Newport	R. H.
White, Merton Curtis	Jonesport	P. H.
Williston, Edward Bradford	Phillipsburg, N. J.	R. W. H.
Witham, Lewis Winfield	Biddeford	R. W. H.
Woodcock, Karl Stanley	Thomaston	R. W. H.
Wright, Blanche Leavitt	Fitchburg, Mass.	R. H.

*Absent during the year.
†In military or naval service.

JUNIORS

Name	*Residence*	*Room*
†Acoff, Israel Zelig	Foxboro, Mass.	
Adam, Albert Conrad	Hanover, Germany	P. H.
Adams, Edwin Wentworth	Auburn	22 Vernon St., Auburn
Aikins, Lincoln James	South Windham	P. H.
Alkazin, David Yoseph	Old Orchard	P. H.
*Ames, Merwin Lloyd	Pittsfield	
*Baldwin, Paul Squires	Stafford Springs, Conn.	
Barrow, Birtill Thomas	Boston, Mass.	P. H.
Blaisdell, Alma Swartz	Lewiston	19 Riverside St.
Blaisdell, Raymond Ward	East Franklin	P. H.
Brewster, Edward Hersey	Auburn	24 High St., Auburn
Brown, Earl Robert	Bangor	P. H.
Bryant, Herman Adelbert	South Paris	R. W. H.
Campbell, Roy Jones	Sabattus	Sabattus
Canter, Benjamin Meyer	Gardiner	P. H.
Chamberlain, Frank Edward	Portland	P. H.
Chappell, Anne May Jordan	Saco	W. H.
Christensen, Abbie Cecelia	Bangor	R. H.
Coates, Ralph Porter	Easthampton, Mass.	P. H.
Cummings, Ruth Anne	Belgrade	C. H.
Dean, John Josiah	Sutton, Vt.	R. W. H
DeWolfe, Ralph Waldo Emerson	Medford, Mass.	R. W. H.
†Dolloff, Albert Franklin	New Hampton, N. H.	
Drown, Julia Helen	Sanford	R. H.
Drury, Clinton Arthur	East Haverhill, N. H.	P. H.
DuBourdieu, Marion	Dexter	R. H.
Dunnells, Marion Clifford	Cornish	C. H.
Elwell, Clarence Alton	West Buxton	P. H.
Farnham, Arloene	Auburn	Auburn
Fish, Freda	Turner Center	R. H.
Fujimoto, Tadashi	Chicago, Ill.	P. H.
Garcelon, Frances	Lewiston	524 Main St.
*Goodwin, Virgil Herbert	Lincoln	
Gould, Barbara Pressey	Plymouth, N. H.	R. H.

*Absent during the year.
†In military or naval service.

Name	*Residence*	*Room*
Gould, Stephen Philip	Rockland	R. W. H.
Graves, Dora Frances	Exeter, N. H.	C. H.
*Greene, Eleanor Berenice	Vinalhaven	
Hall, Mary King	Buckfield	380 Main St.
Hamlen, Charles Elmer	Lewiston	142 Wood St.
Harmon, Wendell Algernon	Worcester, Mass.	P. H.
Hartshorn, Gladys Emily	Milford, N. H.	R. H.
Haskell, Ada Louise	Auburn	55 Winter St., Auburn
Haskell, Dorothy Clement	Gloucester, Mass.	R. H.
Hayes, Eleanor Howland	Walnut Hill	R. H.
Hodgdon, Leonora Franke	Orland	R. H.
Hodgdon, Mary Hobbs	Rochester, N. H.	R. H.
Holmes, Cecil Thomas	Sangerville	R. W. H.
Holmes, Gladys Elizabeth	Wolfeboro, N. H.	R. H.
Hutchins, Hazel Emma	Portland	340 College St.
Jones, Sarah Evelyn	Winchendon, Mass.	R. H.
Jordan, Margaret Bradford	Auburn	91 Pleasant St., Auburn
†Jordan, Robert	Woodfords	
*Keirstead, Edith Sophia	Winnipesaukee, N. H.	
*Keirstead, Mary Georgianna	Winnipesaukee, N. H.	
Kennison, Paul Hartwell	Brownville	P. H.
†Lane, Willis Linwood	Richmond	
Larkum, Newton Wheeler	Hartford, Conn.	R. W. H.
Lawson, Evangeline Baldwin	North Ashford, Conn.	52 Cottage St.
Lawson, George McLean	Middle Haddam, Conn.	R. W. H.
Lee, Harold Gordon	Ashland	P. H.
Lewis, Marion Frances	South Easton, Mass.	R. H.
*McCallister, Ruth	Rochester, N. H.	
Markley, Lucy Whitney	Auburn	161 Wood St.
Marston, Barbara Hall	Auburn	124 Winter St., Auburn
Maxim, Horace Charles	Pittsfield	P. H.
Mayoh, Charles Percy	Pawtucket, R. I.	P. H.
Millay, Ida Caroline	Bowdoinham	R. H.
Milliken, Vera Louise	Lewiston	C. H.
†Morse, Amos Clifton	Newburyport, Mass.	
†Neeley, James	Roxbury, Mass.	
Newcomer, Mary Louise	Harper's Ferry, West Va.	112 Wood St.

*Absent during the year.
†In military or naval service.

Name	*Residence*	*Room*
†Oberg, Carl Alvard	Worcester, Mass.	
Packard, Charles Earl	Carmel	R. W. H.
Paul, Lila Helena	Auburn	71 Summer St., Auburn
Peacock, Elsie Arlene	Gardiner	13 High St.
Place, Carrie Myrtle	Fall River, Mass.	15 White St.
Potts, Harry Leavitt	Lynn, Mass.	R. W. H.
Powers, John Howard	Machias	P. H.
Purinton, Edwin Moore	Lewiston	P. H.
Sampson, Verdal Manley	Lewiston	10 Arch Ave.
Sawyers, William Archibald	Westerly, R. I.	P. H.
Schafer, Reginald Mann	Kingfield	518 Main St.
Severance, Ruth May	Saco	R. H.
Shapleigh, Doris Millicent	East Rochester, N. H.	R. H.
Shattuck, James Pascel	Andover, Mass.	P. H.
*Sherburne, John Gage Pickard	Hallowell	
Sherer, Eva Louise	Rockland	C. H.
Shibles, Madeliene Marieta	Rockport	R. H.
Skelton, Gladys Winifred	Portland	R. H.
Small, Maurice Lee	Lewiston	240 College St.
Smith, Blanche Marinda	Springvale	C. H.
Smith, Mary Imogene	Sanford	C. H.
Snowe, Aubrey Emmons	Litchfield	P. H.
*Sprowl, Nancie May	Jefferson	
Steady, Kenneth Ralph	Berlin, N. H.	P. H.
Stetson, Gladys	Auburn	37 Highland Ave., Auburn
Stevens, Vida Edwina	Stoneham, Mass.	C. H.
Stillman, Harold Lewis	Saco	P. H.
Stoehr, Theresa	Sabattus	Sabattus
Stone, Frank Goodwin	Lisbon Falls	P. H.
Swasey, Sanford Lewis	Lincoln	P. H.
Talbot, Philip John	Gardiner	P. H.
Tarbell, Carolyn Elizabeth	South Lyndeboro, N. H.	C. H.
Tash, Lillian Harriet	Lewiston	Lisbon Road
Taylor, Harold Everett	Camden, N. J.	P. H.
Thibadeau, Charles Raymond	North Attleboro, Mass.	P. H.
Tilton, Paul Josiah	Raymond, N. H.	R. W. H.
Tracy, Helen Cecelia	Lewiston	14 Bridge St.

*Absent during the year.
†In military or naval service.

Name	*Residence*	*Room*
*Varney, Edward Chesley	Milton, N. H.	
Varney, Evelyn Mildred	Dover, N. H.	R. H.
†Watson, Murray Howard	Auburn	
Webster, Lillian Sarah	Wales	47 Winter St., Auburn
Weeks, Lina Cordelia	Frye	250 College St.
Wells, Irene Ruth	Brooklin	R. H.
Williamson, Mary Phillips	Troy, N. Y.	148 Nichols St.
Wolfe, Izetta Rae	Gloucester, Mass.	R. H.
Woodbury, Lillian Catherina	Gray	24 Frye St.
Wright, Ernestine Barker	Gardiner	R. H.

SOPHOMORES

*Ames, Lois White	Rockland, Mass.	
Arey, Evelyn Winifred	Vinalhaven	M. H.
†Baker, Guy Sanford	Halifax, Mass.	
Barrus, Dorothy Patterson	Sutton, Mass.	M. H.
†Beckford, Arthur Courtenay	Danvers, Mass.	
Blaisdell, Walter Halbert	Franklin	P. H.
Bonney, Ada Claire	Canton	10 Riverside St.
Boober, Raleigh Barton	Lee	P. H.
Bridges, Frank Lewis	Schenectady, N. Y.	P. H.
Buker, Gerald Holden	Hampton, N. H.	133 College St.
Burns, Ralph Arthur	Vinalhaven	R. W. H.
†Case, George Asbury	Lewiston	
Castner, Earl Linwood	Richmond	P. H.
Churchill, Dorothy May	Phillips	M. H.
Clayter, Ruth Agnes	Camden	M. H.
Cobb, Clifford Roland	Poland	P. H.
Connor, William Joseph	Lewiston	125 Pierce St.
*Cox, Cora Alice	West Lubec	
Crawford, Helen Winslow	Lancaster, N. H.	M. H.
†Crockett, David	Auburn	
Crockett, Hattie Bell	Lisbon	7 White St.
Crowell, Dorothy Hastings	Boston, Mass.	M. H.
†Cutler, Felix Vining	Medfield, Mass.	
*Davis, Carl Lorin	Jonesport	

*Absent during the year.
†In military or naval service.

Name	*Residence*	*Room*
Doe, Arthur Whittier	Deerfield Center, N. H.	327 Main St.
†Drake, John Francis	Lewiston	
†Duffett, Warren Alonzo	Framingham, Mass.	
Dunlap, Annie Lillian	Richmond	M. H.
Dunn, Sherman William	Hallowell	New Elm House, Auburn
Durost, Morley Johnson	Mars Hill	425 Main St.
*Durrell, Flora Edythe	Stratton	
Edward, Vivian Beryl	Berlin, N. H.	M. H.
Edwards, Ashley Field	South Paris	R. W. H.
Farrow, Merrill Arthur	West Brooksville	P. H.
Fisher, Esther Emily	Lewiston	632 Main St.
Freedman, Louis Archie	Belfast	R. W. H.
Gadd, Edna Dorothy	Plymouth, N. H.	M. H.
Garrett, Ransome Joseph	Livermore Falls	P. H.
Gavet, Elizabeth Bard	Hartford, Conn.	M. H.
Goddard, Harvey Burton	Lewiston	316 Webster St.
Goodall, Grace Mildred	Thomaston, Conn.	M. H.
Gould, Bernard	Ansonia, Conn.	P. H.
Greene, Victor Nichols	Vinalhaven	P. H.
Gregory, Charles Alfred	Southbridge, Mass.	P. H.
Gross, Leroy Calderwood	Vinalhaven	H. H.
Guptill, Philip Holmes	Deer Isle	P. H.
Haley, Mabel Vaughn	Sabattus	87 College St.
Hamilton, Marjorie Louise	Caribou	M. H.
Herrick, Laura Margaret	Leeds	M. H.
Hodgdon, Pauline Brooks	East Boothbay	M. H.
Ireland, Elwood Fremont	Lewiston	26 Mountain Ave.
Jackson, Vernice Ruth	Lisbon	6 White St.
†Johnson, Henry Dexter	Auburn	
Kendall, Raymond Leon	Gardiner	P. H.
Keyes, Rudolph Howard	Marlboro, Mass.	R. W. H.
Kirschbaum, Charles Hunt	New Bedford, Mass.	R. W. H.
Lamson, Josie Emerson	Addison	M. H.
Lane, Eloise Frances	Hampton, N. H.	R. H.
Logan, Gladys Lillian	South Portland	M. H.
Lowell, William Arthur	East Bridgewater, Mass.	67 Webster St.
Lucas, Arthur Fletcher	Auburn	12 Oak St., Auburn

*Absent during the year.
†In military or naval service.

Name	*Residence*	*Room*
Lundholm, Carl Jacob	Cliftondale, Mass.	P. H.
†McKenney, Harry Clifton	Gardiner	
Mason, Guy Vernon	Milford, N. H.	R. W. H.
*Maxfield, Edith Rachel	Sangerville	
May, Arlene Stevens	Woodfords	M. H.
May, Harold James	Oneonta, N. Y.	R. W. H.
Mays, Benjamin Elijah	Epworth, S. C.	J. B. H.
Moore, Priscilla	Lancaster, N. H.	M. H.
Mosher, James Earle	Belgrade	P. H.
Moylan, Mary Gertrude	Port Jervis, N. Y.	M. H.
Murphy, Raymond Edward	Lewiston	38 Howe St.
Neville, William Maurice	Malden, Mass.	P. H.
O'Donnell, Eugene Edward	West Lubec	P. H.
Page, Agnes Fowler	Lewiston	203 College St.
Perkins, Beatrice Louise	Farmington, N. H.	M. H.
Peterson, Myrtle Annie	Colebrook, N. H.	87 Wood St.
Philbrook, Laurence Weymouth	Auburn	117 Spring St., Auburn
Pierce, Elinor Shirley	Auburn	104 High St., Auburn
Pinkerton, Forest Raymond	Bowdoinham	P. H.
Ragan, Amy Fidelia	Pittsfield	169 College St.
Reed, Sara Willard	East Orange, N. J.	R. H.
†Ribero, Edwin Francis	Franklin, Mass.	
Rice, Albion Ramsdell	West Lubec	P. H.
Ripley, Rachel Louise	Bucksport	M. H.
*Runnals, Lilla Beatrice	Foxcroft	
Safford, Vera Blanche	Augusta	M. H.
Sanders, Marion Gertrude	Dover, N. H.	M. H.
Sargent, Ida Louise	Newport, N. H.	M. H.
Sibley, Gertrude Dorothy	Wendell, Mass.	M. H.
Small, Melville Lee	Stonington	P. H.
Small, Wesley Alton	Stonington	P. H.
Soule, Mildred Arlene	Rumford	M. H.
Southey, Charles Lloyd	Riverside, R. I.	P. H.
Swift, David Brewster	Roslindale, Mass.	P. H.
Symmes, Eva Bernice	Franklin, Mass.	240 College St.
Tackaberry, Sara Christina	Lewiston	322 Bates St.
Tapley, Roland William	Lewiston	161 Holland St.

*Absent during the year.
†In military or naval service.

Name	*Residence*	*Room*
Taylor, Ida Alice	Rumford	32 Orange St.
Thomas, Marjorie Etta	Sumner	210 College St.
Tracy, Leighton Goodwin	Skowhegan	R. W. H.
Tracy, Olin Berry	Skowhegan	R. W. H.
Trask, Ervin Elverton	Clinton	P. H.
True, Howard Dexter	Phillips	P. H.
†Turner, Otto David	Jefferson	
Voigtlander, Oscar	Ansonia, Conn.	P. H.
Walton, Clarence Eldon	Madison	R. W. H.
†Webber, George Albert	Lubec	
Weymouth, Ethel Marion	North Berwick	R. H.
Wiggin, Carleton Low	Sanford	P. H.
†Wight, Donald Gordon	Bolster's Mills	
†Wilder, Milton Wyeth	Townsend, Mass.	
Williston, Elizabeth Reissnyder	Phillipsburg, N. J.	28 Frye St.
Wilson, Lauris Rogers	Bowdoinham	2 Davis St.
†Winslow, Percy Raymond	West Falmouth	
Wood, Howard Douglas	Newcastle	174 Holland St.
Woodman, Stanton Howe	Portland	P. H.
†Woodward, Evan Albro	Marlborough, Mass.	

FRESHMEN

Allamby, Hubert Alfonso	Barbados, B. W. I.	J. B. H.
Allen, Ruth Osgood	North Monmouth	Mechanic Falls
Anderson Winslow Samuel	Portland	J. B. H.
Barron, Julia Hopkins	Ellsworth	W. H.
Barrow, Ellis Dale	Boston, Mass.	P. H.
Bartlett, Mary Elizabeth	Fremont, N. H.	W. H.
Bates, Arthur Irving	Lewiston	73 College St.
Bates, Marian Winnifred	Hingham, Mass.	W. H.
Belmore, Carl Warren	Wakefield, Mass.	J. B. H.
Bowie, Ruth Evelyn	Lewiston	83 Wood St.
Bowman, Irene Melita	Lewiston	44 Summer St.
Bowman, Vyvyan Mae Cecilia	Lewiston	44 Summer St.
Bradley, Ruth Alfreda	Island Falls	28 Frye St.
Brewster, Laura Eleanor	Lisbon Falls	28 Frye St.
Brown, Harvey Edward	Marlboro, Mass.	J. B. H.

†In military or naval service.

Name	*Residence*	*Room*
Campbell, Warren Cameron	South Portland	J. B. H.
Carll, Crete Muriel	Waterboro	W. H.
Chandler, Lois Aurora	Waterboro	W. H.
Child, Elwin Clayton	Dixfield	336 Main St.
Clifford, Donald Knight	Portland	J. B. H.
Clifford, Earle Augustus	Winthrop	J. B. H.
Colburn, Ruth	Canaan, N. H.	W. H.
Collins, Doris Mildred	Leeds Center	380 Main St.
Connolly, Emma Marion	York Village	28 Frye St.
Coombs, John Dexter	Lisbon Falls	R. W. H.
Cornell, Florence	Rumford	W. H.
Cummings, Annie Elizabeth	Bethel	W. H.
Cusick, John Michael	Gardiner	J. B. H.
Cutler, Minerva Eliza	Medfield, Mass.	W. H.
Deane, Almon Eugene	South Weymouth, Mass.	P. H.
Dennison, Theodora	Dryden	28 Frye St.
Doe, Caroline Mary	Rumney, N. H.	W. H.
Dorner, Frank Joseph	Thomaston, Conn.	J. B. H.
Earle, Maurice Lester	Litchfield	R. W. H.
Ebner, Raymond Anthony	Thomaston, Conn.	J. B. H.
Edwards, Mildred Pratt	Southington, Conn.	28 Frye St.
Fairweather, Ethel Muriel	Portland	28 Frye St.
Field, Clarence Alfred	Auburn	19 Williams St., Auburn
Findlen, Marguerite Helen	Fort Fairfield	R. H.
Fisher, Ruth Katharine	Franklin, Mass.	28 Frye St.
Fullerton, Alice Thelma	Ellsworth	W. H.
Ganley, Arnold Lincoln	West Groton, Mass.	J. B. H.
Gould, Ray Selden	Lewiston	18 Horton St.
Graham, Lucy Parris	South Bridgton	W. H.
Griffin, Arthur Russell	South Portland	J. B. H.
Gustin, Charles Wilson	Sabattus	Sabattus
Hall, Gladys Florence	Manchester, N. H.	94 Googin St.
Hamilton, Mary Josephine	Lewiston	98 Walnut St.
Hamlen, Frank Henry	Lewiston	142 Wood St.
Harriman, Edwin James	Randolph	J. B. H.
Harriman, Lester Boardman	Randolph	J. B. H.
Haskell, Dorothy Irma	Auburn	38 Second Ave., Auburn
Hatch, Bernice Mildred	Plymouth, N. H.	C. H.

Name	*Residence*	*Room*
Hawkins, Eunice Irene	Lisbon, N. H.	28 Frye St.
Heald, Roland Almon	Greene	Greene
Healey, Agrandece Lactina	Pittsfield	W. H.
Hill, Marguerite Frances	Auburn	11 Willow St., Auburn
Hodgdon, Florence Eunice	Rochester, N. H.	W. H.
Hodgman, William Henry	Amherst, N. H.	J. B. H.
Huff, Eugene Alvin	Norridgewock	J. B. H.
Hughes, Edna Frances	South Portland	W. H.
Hutchins, Charles Kenneth	Portland	340 College St.
Hutchinson, George Royal	Readfield Depot	J. B. H.
Jellison, George Benjiman	Kennebunk	J. B. H.
Jenkins, William Gurney	Hartford, Conn.	R. W. H.
Johnson, Maynard Stickney	Brownville	J. B. H.
Jones, Katherine Hunt	Norway	W. H.
Jordan, Caroline Theresa	Lewiston	195 College St.
Julian, George Richard	Houlton	P. H.
Knapp, Rachel Southwick	Lewiston	W. H.
Knight, Howard Graham	Turner Center	J. B. H.
Libbey, Ruth	Wolfeboro Falls, N. H.	28 Frye St.
Lindquist, Florence Gertrude	Manchester, N. H.	W. H.
McKay, Shirley Ernest	Norway	134 College St.
McKinney, Roscoe Lewis	Washington, D. C.	J. B. H.
Manter, Harold Winfred	Anson	J. B. H.
Marshall, Murray Linwood	Shirley, Mass.	427 Main St.
Menard, Marceline Eleanore	Pittsfield	Bearce Ave.
Merrill, Edna Leighton	Mechanic Falls	28 Frye St.
Meserve, Leon Howard	Gorham	J. B. H.
Millett, Foster Maxwell	Lisbon	Lisbon
Morrison, Isabella Fairley	Arlington, Mass.	W. H.
†Newcomer, Daniel Brackett	Harper's Ferry, West Va.	J. B. H.
Newell, Harry Severy	Turner	J. B. H.
Paris, Annabel Harriet	Wolfeboro Falls, N. H.	M. H.
Penny, Carl	Cliftondale, Mass.	P. H.
Perkins, Leon Winthrop	Ogunquit	J. B. H.
Peterson, Charles Welch	South Portland	J. B. H.
Philbrook, Ernestine	Bethel	W. H.
Pike, Arlene Howland	Rangeley	W. H.
Rand, Carleton Hobart	Lewiston	82 Pierce St.

†In military or naval service.

Name	*Residence*	*Room*
Roberts, Alberta Gladys	Gray	11 Mountain Ave.
Ross, Norman Ernest	Biddeford	P. H.
Rounds, Carl Pulsifer	Lewiston	567 Main St.
Roy, Gabrielle Marie	Lewiston	349 Pine St.
Sloan, Leona Mabelle	Norway	449 Main St.
Smith, Carl Ellsworth	Framingham, Mass.	P. H.
Spiller, Lee Russell	Wells	R. W. H.
Starbird, Charles Millard	Danville	Danville
Stetson, Charles Benjamin	Richmond	P. H.
Stevens, Charles Laurence	Stoneham, Mass.	36 Mountain Ave.
Stiles, Ruth	North Woodstock, N. H.	142 Wood St.
Stoehr, Marie	Sabattus	Sabattus
Thompson, Frederick Paul	Gloucester, Mass.	J. B. H.
Trow, Margaret Sydney	Northampton, Mass.	118 Pine St.
VanVloten, Jacob	East Braintree, Mass.	J. B. H.
Walker, Constance Anna	Bridgton	W. H.
Walker, Fred Maynard	East Brownfield	26 Mountain Ave.
Warren, Marion Elizabeth	Auburn	90 Whitney St., Auburn
Weymouth, Clarice Vivvian	Kingfield	20 Cottage St.
Wheeler, Marion Cook	Newtonville, Mass.	M. H.
Whiting, Norma Valerie	Auburn	30 Josslyn St., Auburn
Widber, Mildred Clark	Portland	28 Frye St.
Wiles, Loys Arthur	Groveton, N. H.	J. B. H.
Willard, Elmer Blanchard	Cape Elizabeth	J. B. H.
Woodard, Donald Kenneth	New Bedford, Mass.	J. B. H.
Woodbury, Henry James	Auburn	Auburn
Woodbury, Robert Isaac	Topsfield, Mass.	J. B. H.
Woodrow, Christine Rebecca	Rumford	W. H.
Yeaton, Evelyn Henrietta	Richmond	W. H.
Young, Karl Richard	Lewiston	48 Ash St.

*SPECIAL STUDENTS

Name	*Residence*	*Room*
Arata, William	Bar Harbor	P. H.
Barlow, Myron Benton	Braintree, Mass.	J. B. H.
Barlow, Walter Storm	Braintree, Mass.	J. B. H.
Bernard, Romeo Armand	Auburn	48 Third St., Auburn
Bond, Willard Francis	Braintree, Mass.	J. B. H.
Burgess, Kendall Bancroft	Worcester, Mass.	H. H.
Canter, Edward Averill	Gardiner	J. B. H.
Davis, Alfred Dudley	Rockland	P. H.
Davis, John Bernard	Lewiston	West Rose Hill
Dion, Maurice	Randolph	J. B. H.
Gifford, George Gordon	West Tisbury, Mass.	R. W. H.
†Jenkins, Frank Lester Irving	Far Rockaway, N. Y.	
Jordan, William Barnes	South Portland	J. B. H.
†Miller, George Lewis	Easthampton, Mass.	
Millward, George Sanford	Woodfords	P. H.
Murray, William James	Mill River, Mass.	J. B. H.
Owen, Abram Emerson	West Lubec	J. B. H.
Pasquale, Philip Bernard	Lewiston	35 Spruce St.
Pedbereznak, John Joseph	Ansonia, Conn.	P. H.
Potter, Paul Barber	Griswold, Conn.	J. B. H.
Reny, Lucien Hugues	Lewiston	16 Howe St.
Smith, Otho Francis	Franklin	P. H.
†Stonier, James Edward	Gardiner	
Tash, Raymond Clark	Lewiston	Lisbon Road
†White, Harry Jones	Jonesport	

*In the sense the words are used at some colleges Bates admits no "special students." Students of good character who are prepared to do college work, may be permitted to make a special selection of courses under the direction of the Committee on Registration. All students who can do so are advised to matriculate for a degree, and no one will be allowed to use the privilege here offered for the purpose of securing a merely nominal connection with the College. Special students are subject to the same regulations regarding attendance and examinations as candidates for degrees, and must take not less than fifteen hours of class-room work per week. No special student will be allowed to continue more than two years in college.

†In military or naval service.

SUMMARY

Seniors	104
Juniors	118
Sophomores	118
Freshmen	121
Special Students	25
	486

H. H.—Hathorn Hall
R. W. H.—Roger Williams Hall
P. H.—Parker Hall
J. B. H.—John Bertram Hall
R. H.—Rand Hall
C. H.—Cheney House
M. H.—Milliken House
W. H.—Whittier House

GRADUATES OF 1917

BACHELOR OF ARTS

Ackley, Marie Vesta
Aikins, Ellen May
Bacon, Theodore Eaton
Baker, Ernest Lester
(As of the Class of 1892)
Bennett, Ethel May
Berry, Grace Elizabeth
Burnett, Agnes Esther
Bush, Alton Williams
Campbell, Hazel Violet
Capen, Ruth
Caverly, Waldo Reed
Chandler, Sara Archer
Chayer, Charles Cleveland
Chayer, Ethel
Clark, Ella Gertrude
Cleaves, Mary Lawrence
Crooker, Homer Elbridge
Dresser, Burtra Beryl
Dunlap, Genevieve
Dyer, Arthur Alfred
Elwell, Ernest Albert
Fales, Elton Horace
Farnsworth, Julia
Fiske, Roger Baxter
French, Hariett Stevens
Green, Esther Marie
Greene, Robert Alvan
Gregg, Lottie Pertis
Hatch, Clarence Randolph
Hinton, Herbert Ernest
Hopkins, Smith Burns
House, George Webster
Jameson, Pauline Fuller
†Lane, Perley Wise
Lawry, Alice Evelyn
Lewis, Ruth Lincoln
Lougee, Dora Aileen
McCann, Julia Peables
MacDonald, Irene Keeler
Manchester, Evelyn May
Millspaugh, Ruth
Mitchell, Helen Staples
Moody, Ruth
Moreau, Emily Dionne
Nelson, Laura Augusta
Newman, Elinor
Oakman, Walter Frank
Oliver, Chester Bradford
Paine, Ida Bess
†Pendelow, George Thorpe
Purinton, Arthur Leonard
†Purinton, Roland Earle
Rollins, Ruth Elizabeth
Sawyer, Reba May
Sceles, Eleanor Garland
Seavey, Hazel Linnie
Sherman, John Lester
Skinner, Ruth Angela
Slade, Milton Arthur
Smith, Celia Frances
Stone, Carl Raymond
Sturgis, Ruth Leighton
Thompson, Laurence Oran

†In military or naval service.

*Tibbitts, Charles Byron
(As of the Class of 1913)
Turner, Adin Sharon
Upham, Ernest Francis
Webb, Philip Raymond
White, Mary Alma
Wills, Esther Gertrude

BACHELOR OF SCIENCE

Allen, William
†Coady, Conrad George
Connors, Edward Harold
Davis, Sumner Mills
DeWever, James
Gay, Douglas Merrill
†Green, George Ellison
MacDonald, Frank Edward
†Mills, Elmer Haskell
Murray, Francis Dennis
Peables, Bernard Laurence
†Pedbereznak, Joseph Andrew
†Stettbacher, Henry John
Wiggin, Morton Hayes
†Wilson, Edward Kenneth

MASTER OF ARTS, *pro merito*

Lillian Alice Norton, '03

HONORARY DEGREES

Doctor of Laws

Carl Elias Milliken, '97

Doctor of Pedagogy

William Lincoln Powers, '88
Frederic Weston Plummer, '91

Doctor of Divinity

Rev. James Albert Howe, D.D.
Rev. Herbert Pekin Woodin

Master of Arts, *honoris causa*

Hartwell James Frederick, M.D.

* Deceased.
† In military or naval service.

COMMENCEMENT HONORS

IN LANGUAGE AND LITERATURE

Ellen May Aikins
Theodore Eaton Bacon
Alton Williams Bush
Arthur Alfred Dyer
Alice Evelyn Lawry
Dora Aileen Lougee
Ida Bess Paine
Laurence Oran Thompson

IN PHILOSOPHY

Charles Cleveland Chayer
Herbert Ernest Hinton
Ruth Lincoln Lewis
Irene Keeler MacDonald
Elinor Newman
Arthur Leonard Purinton

IN SCIENCE

Waldo Reed Caverly
Ethel Chayer
Smith Burns Hopkins
George Webster House
Esther Gertrude Wills

MEMBERSHIP IN DELTA SIGMA RHO

1896

Oliver Frost Cutts

1905

Orin Merton Holman

1913

William Franklin Slade

1917

Theodore Eaton Bacon

1918

Arthur Elwood Tarbell

1919

Charles Percy Mayoh

MEMBERSHIP IN PHI BETA KAPPA

1917

Theodore Eaton Bacon
Alton Williams Bush
Douglas Merrill Gay
Arthur Leonard Purinton
Ellen May Aikins
Alice Evelyn Lawry
Dora Aileen Lougee
Elinor Newman

ALUMNI ASSOCIATIONS

THE ALUMNI ASSOCIATION OF BATES COLLEGE

President, HAROLD A. ALLAN, '06, Augusta, Me.

First Vice-President, EDNA CORNFORTH, '03, Auburn, Me.

Second Vice-President, ALTON C. WHEELER, '99, South Paris, Me.

Third Vice-President, CLARENCE P. QUIMBY, '10, Portland, Me.

Secretary-Treasurer, JOHN L. READE, '83, Lewiston, Me.

Executive Committee, IVAN E. LANG, '02, Augusta, Me.; MRS. GERTRUDE L. ANTHONY, '01, Lewiston, Me.; GEORGE E. RAMSDELL, '03, Lewiston, Me.

BOSTON ASSOCIATION

President, FREDERIC W. PLUMMER, '91, Fall River, Mass.

Vice-President, WILLIAM F. GARCELON, '90, Boston, Mass.

Secretary, RICHARD B. STANLEY, ESQ., '97, Boston, Mass.

NEW YORK ASSOCIATION

President, ALBERT F. GILMORE, '92, Vanderbilt Avenue, New York, N. Y.

**Secretary*, HOYT H. TUCKER, '83, Newark, N. J.

Treasurer, GEORGE W. THOMAS, ESQ., '96, 100 Broadway, New York.

* Deceased.

CHENEY CLUB

(New Hampshire Alumni Association)

President, HENRY S. ROBERTS, '81, Suncook, N. H.
Vice-President, HENRY G. BLOUNT, '06, Pembroke, N. H.
Secretary, GULIE A. WYMAN, '11, Manchester, N. H.

STANTON CLUB

(Maine Alumni Association)

President, L. E. MOULTON, '93, Auburn, Me.
Vice-President, L. M. SANBORN, '92, Portland, Me.
Secretary, RAYMOND S. OAKES, '09, Portland, Me.
Executive Committee, FRANK H. THURSTON, '06, IVAN E. LANG, '02, HERBERT J. CHASE, '91, MRS. CARL E. MILLIKEN, '97, FLORA M. LOUGEE, '14, CHARLES H. ABBOTT, '12, ALICE J. DINSMORE, '08.

CONNECTICUT VALLEY ASSOCIATION

President, ERNEST W. SMALL, '93, Thomaston, Conn.
Vice-President, LE ROY B. FRASER, '08, Hartford, Conn.
Secretary-Treasurer, GRACE V. THOMPSON, '04, Hartford, Conn.

RHODE ISLAND ASSOCIATION

President, NORA G. WRIGHT, '95, Providence, R. I.
First Vice-President, LEROY G. STAPLES, '00, Warren, R. I.
Second Vice-President, DENNETT L. RICHARDSON, M. D., '00, Providence, R. I.
Secretary, HARRY H. LOWRY, '12, Providence, R. I.
Treasurer, FREDERICK R. WEYMOUTH, '11, Providence, R. I.

MINNESOTA ASSOCIATION

Committee on permanent organization, EDWIN A. MERRILL, '86, Minneapolis; GEORGE H. WYMAN, '77, Anoka; MRS. (Prof.) FREDERIC H. BASS, '02, Minneapolis.

AROOSTOOK COUNTY ASSOCIATION

President, CLARENCE H. BROWN, '12, Island Falls, Me.

Vice-President, MRS. ISADORE H. STEVENS, '10, Presque Isle, Me.

Secretary-Treasurer, BESSIE H. COOPER, '04, Presque Isle, Me.

OCEAN PARK ASSOCIATION

President, WILLIAM E. C. RICH, '70, Ocean Park, Me.

Secretary-Treasurer, LESTER L. POWELL, '00, Saco, Me.

Executive Committee, FRANK H. THURSTON, '06, Lewiston, Me.; DORA JORDAN, '90, Alfred, Me.; MRS. GERTRUDE L. ANTHONY, '01, Lewiston, Me.

WORCESTER ASSOCIATION

President, CHAUNCEY C. FERGUSON, '92, Millbury, Mass.

Vice-President, GEORGE G. SAMPSON, '05, Worcester, Mass.

Secretary-Treasurer, MRS. MARY ANGELL LINCOLN, '90, Worcester, Mass.

OXFORD COUNTY ASSOCIATION

President, GEORGE A. HUTCHINS, '99, Rumford, Me.

Secretary-Treasurer, SHIRLEY J. RAWSON, '14, Ridlonville, Me.

KENNEBEC COUNTY ASSOCIATION

President, Albert M. Spear, '75, Gardiner, Me.
Vice-President, Ernest L. McLean, '02, Augusta, Me.
Secretary, E. J. Hatch, '94, Augusta, Me.
Treasurer, Grace M. Lewis, '11, Gardiner, Me.

OFFICERS OF DELTA SIGMA RHO

President, Clarence P. Quimby, '10, Portland, Me.
Vice-President, Earle A. Harding, '15, Princeton, N. J.
Secretary-Treasurer, Harry W. Rowe, '12, Lewiston, Me.
Executive Committee, The Officers; Louis B. Costello, '98, Lewiston, Me.; Prof. Albert C. Baird, Lewiston, Me.

OFFICERS OF PHI BETA KAPPA

President, George C. Chase, Bates '68.
Vice-President, Lyman G. Jordan, Bates '70.
Secretary-Treasurer, Arthur N. Leonard, Brown '92.

INDEX

	PAGE
Absence from Recitations	106
Admission Groups	37–38
Admission, Terms of	17–43
Advisers	107
Alumni Associations	170–173
Annuity Bond, Form of	139
Astronomy, Courses in	47
Athletic Associations	129
Athletic Field	125
Bacteriology, Courses in	79
Bates Bulletin	133
Bates Student	133
Bates Union	123–124
Bequest, Form of	139
Biblical Literature and Religion, Courses in	47–48
Bills	110
Biology, Courses in	48–52
Botany, Courses in	49–50
Buildings	112–126
Cabinets, Botanical	115
Geological	116
Ornithological	115
Calendars	2–4
Carnegie Foundation	136
Carnegie Science Hall	114–117
Cercle Française	128
Chapel	112–113
Chemistry, Courses in	56
Laboratory	113–114
Christian Associations	130–132
Christian Ethics, Courses in	87
College, Character of	6
Foundation	5
College, Needs of	138
Reasons for Aiding	137
Resources of	134
Services of	135
College Magazine	133
College Publications	133
Commencement Honors	168–169
Committees, Corporation	10–11
Faculty	15–16
Coram Library	117–119
Corporation	8
Courses of Instruction	45–96
Debates, Intercollegiate	150
Prizes for	150
Sophomore	64
Degrees	102–103
Degrees, Requirements for	103–105
Delta Sigma Rho	129, 168, 173
Deutsche Gesellschaft	128
Deutscher Verein	128
Dormitories	
John Bertram Hall	122
Milliken House	123
Parker Hall	120
President's House	120
Rand Hall	122
Roger Williams Hall	121
Whittier House	123
Economics, Courses in	56–57
Editors of Bates Student	150
Education, Courses in	58–62
Electrical Engineering, Courses in	91

	PAGE
Employment Bureau	15
English, Courses in	62–65
Ethics, Courses in	87, 88
Examinations	43, 44, 107
Excuses	106
Expenses	108–109
Faculty	12–14
Faculty, Committees of	15–16
Fellows, Board of	8
Fine Arts, Courses in	66
Forestry, Courses in	66–67
Foundation of College	5
French, Courses in	67–69
Geology, Courses in	69–70
George Colby Chase Lecture Fund	133–134
German, Courses in	70–73
Government, Courses in	78
Graduates of 1917	166–167
Greek, Courses in	73–76
Group Arrangement of Studies	103
Gymnasiums	125
Halls, Hathorn	113
Parker	120
Roger Williams	121
John Bertram	122
Rand	122
Health of Students	106
Heating Plant	124
Hebrew, Courses in	48
Hedge Laboratory	113
History, Courses in	76–78
History of Religions, Courses in	47
Honors	105
Honors, Commencement	168–169
Household Economics, Courses in	79–80
Hygiene, Courses in	92–96
John Bertram Hall	122
Jordan Scientific Society	127
Laboratory Fees	110
Latin, Courses in	80–82
Law, Lectures in	79
Lectures and Addresses	134
Libbey Forum	119–120
Library, Coram	117–119
Literary Societies	127–128
Logic, Courses in	88
Magazine, Bates Student	133
Majors and Minors	104
Mathematics, Courses in	82–84
Mechanical Drawing, Courses in	91–92
Milliken House	123
Musical Clubs	129
Needs of the College	138
Oculists	93
Oratory, Courses in	84–86
Ornithology, Courses in	53
Outdoor Running Track	126
Outline of Studies	97–101
Overseers, Board of	9–10
Parker Hall	120
Phi Beta Kappa	129
Phil-Hellenic Club	128
Philosophy, Courses in	87–88
Physical Training, Courses in	92–96
Physics, Courses in	89–91
Physiology, Courses in	92–96
Politics Club	128
President's House	120
Press Club	127
Prizes	148–150
Prohibition Association	128
Psychology, Courses in	87
Public Service of Bates	135–136

	PAGE
Rand Hall	122–123
Rank Bills	107
Registration	106
Religions, Courses in History of	47
Religious Life	129
Requirements for Degrees	102–105
Resources	134–135
Rhodes Scholarship	147
Roger Williams Hall	121
Running Track	126
Scholarships	141–147
Scientific Societies	127
Sociology, Courses in	57–58
Spanish, Courses in	92
Spofford Literary Club	127
Student Advisers	107
Students	151–165
Studies, Outline of	97–101
Tennis Courts	126
Trustees	8–10
Tuition	108–109
University Extension	134
Voice Culture, Courses in	84–86
Whittier House	123
Zoölogy, Courses in	48–52

BATES COLLEGE

BULLETIN

CATALOGUE

1918—1919

Sixteenth Series Number 1 March 15, 1919
Lewiston, Maine

The Bulletin of Bates College is published by the College four times a year. Entered at the Post Office at Lewiston, Maine, as second-class mail matter, under the provisions of the Act of July 16, 1894.

BATES COLLEGE

LEWISTON, MAINE

1918-1919

1918

JANUARY

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

FEBRUARY

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	..	..
..	..	..	..	..	..	..

MARCH

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

APRIL

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..	..	..	..	..	..	..

MAY

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

JUNE

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

JULY

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

AUGUST

..	..	..	..	..	1	2	3
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	
..	..	..	..	..	..	..	..

SEPTEMBER

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

OCTOBER

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

NOVEMBER

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

DECEMBER

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

1919

JANUARY

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

FEBRUARY

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	..
..	..	..	..	..	..	..

MARCH

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

APRIL

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..	..	..	..	..	..	..

MAY

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

JUNE

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

CALENDAR

1918		
Oct. 1	*First Semester began 8.40 A.M. Prayers. Registration	Tuesday
Nov. 11-22	Sophomore Preliminary Public Speaking	1.30 P.M.
Nov. 15	Tuition due	
Nov. 23	Prize Division	2.00 P.M.
Nov. 28	Thanksgiving Day	Thursday
	Christmas Recess from 12.00 M., December 20, to 7.40 A.M., †December 31.	
1919		
Jan. 11-27	Sophomore Debates	2.00 P.M.
Jan. 30	Day of Prayer for Colleges	Thursday
Feb. 5-12	Midyear Examinations	
Feb. 13	*Second Semester begins: 7.40 A.M.	
Feb. 22	Washington's Birthday	Saturday
Feb. 24-Mar. 7	Freshman Preliminary Public Speaking	1.30 P.M.
March 8	Prize Division	2.00 P.M.
March 13	Senior Prize Speaking	Thursday, 7.45 P.M.
March 15	Tuition due	
	Easter Recess, from 4.30 P.M., April 16, to 7.40 A.M., April 22	
April 19	Patriots' Day	Saturday
May 30	Memorial Day	Friday
June 2	Examinations at Preparatory Schools	
June 11	Junior Prize Speaking	Wednesday, 7.45 P.M.
June 12	Last Chapel	Thursday
June 12	Ivy Day Exercises	Thursday
June 13-20	Final Examinations	
June 22	Baccalaureate Exercises	Sunday, 3.30 P.M.

**The formation by the government of the S. A. T. C. necessitated the division of the college year into three terms, ending December 21, March 21, and June 21; with the disbanding of the S. A. T. C. on December 21, 1918, it was possible to return to a considerable extent to the former division of the college year into two semesters.*

†Owing to the epidemic of influenza the opening of college was delayed until January 14, 1919.

June 23	Annual Meeting of Delta Sigma Rho	Monday, 2.30 P.M.
June 23	Alumni Night	Monday, 8.00 P.M.
June 24	Annual Meeting of the Corporation	Tuesday, 9.00 A.M.
June 24	Class Day Exercises	Tuesday, 2.30 P.M.
June 24	Annual Meeting of the Alumni	Tuesday, 4.00 P.M.
June 24	Annual Meeting of Phi Beta Kappa	Tuesday, 4.00 P.M.
June 24	Illumination of College Campus	Tuesday, 7.45 P.M.
June 25	The Commencement Dinner	Wednesday, 1.00 P.M.
June 25	President's Reception to the Graduates	Wednesday, 8.00 P.M.
Sept. 23-24	Examinations for Admission to College	Tuesday and Wednesday, 8.00 A.M., 1.30 P.M.
Sept. 25	First Semester begins: 8.40 A.M.	Thursday
Nov. 3-14	Sophomore Preliminary Public Speaking	1.30 P.M.
Nov. 15	Tuition due	
Nov. 15	Prize Division	2.00 P.M.
Nov. 27	Thanskigving Day	Thursday
Dec. 19	Christmas Recess begins	

Office Hours

The President, Hathorn Hall, 9.00 A.M.–11.00 A.M., 2.00 P.M.–4.00 P.M.

Dean of Women, Rand Hall, 8.30 A.M.–9.30 A.M., 12.00 M.–12.30 P.M., 1.00 P.M.–1.30 P.M., daily; 3.30 P.M.–4.30 P.M., Mondays; 11.00 A.M.—12.00 M., Thursdays.

The Assistant Treasurer, Hathorn Hall, 9.00 A.M.—11.00 A.M., 12.15 P.M.–2.15 P.M.

The Registrar, Hathorn Hall, 8.30 A.M.—12.00 M., 1.30 P.M.–4.30 P.M.

The Y. M. C. A. Secretary, Roger Williams Hall, 10.00 A.M.–11.30 A.M., 1.30 P.M.–3.00 P.M.

GENERAL INFORMATION

FOUNDATION

Bates College grew out of the Maine State Seminary, chartered in 1855. In 1862 sixteen young men in this school petitioned the Trustees to provide facilities for collegiate instruction. In the fall of 1863 the first Freshman class was admitted, and in the winter of 1864 a new charter was secured, and Maine State Seminary became Bates College. The name Bates College was given by the Trustees in grateful acknowledgment of the generosity of Mr. Benjamin E. Bates of Boston, Mass., one of the founders of the city of Lewiston. Mr. Bates had taken a warm interest in the Seminary, and it was his encouragement, with a subscription in 1863 of $25,000, that led to its development into the College. To this sum he subsequently added $75,000. Mr. Bates died in 1877. Other friends have generously aided the institution, but none of their benefactions have surpassed in amount the gifts of Mr. Bates.

Lewiston, in which the College is situated, is the second city in population in Maine, having thirty-three thousand inhabitants. It is on the east bank of the Androscoggin, thirty-five miles northeast of Portland. It is connected by four bridges with Auburn, a city with sixteen thousand inhabitants, on the opposite bank of the river. The two cities are among the most enterprising and progressive in the East. Many of their public buildings are exceptionally beautiful and substantial. Their excellent public schools are constantly bringing to the two cities from all parts of Maine, and even from adjoining states, parents eager to secure a good education for their children. The Jordan High School, of Lewiston, and the Edward Little High School, of Auburn, rank among the best preparatory schools in New England. The pulpits of Lewiston and Auburn are occupied by able and scholarly men, and residents of few towns have better facilities for hearing the representative lecturers and orators of our country. The two cities are remarkably healthful, are situated amid some of the most beautiful scenery of the Androscoggin

valley, and combine in a rare degree the educational influences afforded by the presence of business energy, of scholarly leisure, and of attractive environments. They are a little more than four hours distant from Boston, and are accessible from all directions by means of four railways—the Grand Trunk, the Portland and Rumford Falls, and two lines of the Maine Central. These, with numerous electric roads, make the College easily accessible from every direction. The College grounds consist of fifty-five acres in the suburbs of Lewiston. They have great natural beauty and command fine views of the surrounding country. From the summit of Mount David, given by the late Mrs. Archibald Wakefield and the late Mrs. John M. Frye, as the site for an astronomical observatory, the White Mountains, more than fifty miles away, are distinctly visible. Through the generosity of the children of Mrs. Wakefield, three and one-half acres have (in September, 1912) been added to this earlier gift and nearly all of Mount David is now owned by the College—giving to the campus a distinctive charm that arrests the attention of every visitor.

CHARACTER OF THE COLLEGE

The College is unsectarian in its organization, aims and methods, but it is unequivocally Christian. Breadth and thoroughness are sought, not only in literary and scientific attainments, but in moral and spiritual culture. What are called the vices of student life are practically unknown at Bates. No student can be a member of the College without taking and keeping a pledge to abstain from alcoholic drinks, and no student may receive beneficiary aid without abstaining from all use of tobacco. Hazing has always been regarded as indefensible and, through the united influence of students and faculty has at length, it is believed, been entirely outgrown and discarded. A large percentage of the students are actively religious, and among them are represented nearly all the religious denominations of New England. It has been the constant aim of the College to encourage and aid students of limited means and to exclude such habits and customs as lead to extravagant and unnecessary expenditures. Planted in a thrifty and frugal community, Bates is for a wide area the natural

college home of students of limited means. The community, with its numerous industries, offers unusual opportunities for work; and college spirit and tradition make labor honorable. The Faculty of Bates find one of their highest pleasures in helping young men and young women to solve the problem of ways and means. An employment Bureau composed of members of the Faculty and of Alumni is able practically to assure remunerative work to students able and willing to engage in self-help. Every year Bates students are engaged in more than sixty different kinds of employment. During 1917-1918 students earned nearly $40,000. There are one hundred and twelve scholarships. One hundred and eight of these, of $1,000 each, pay fifty dollars per year, each, to as many deserving young men and young women. The other four are the Coe Scholarship of $3,000, the Dana Estes Scholarship of $2,500, the John Bartlett Kezar Scholarship of $2,000, and the Fitz Scholarship of $1,500. Students preparing for the Christian ministry or for other kinds of public Christian service may receive aid from the Edgecomb Fund. Students of ample, of moderate, and of limited means live and work together in absolute social equality. From its organization in 1863, the College has received young women on the same terms with young men, thus beginning on the Atlantic seaboard the movement for the higher education of women.

The government of the College is vested in two co-ordinate boards: President and Fellows, and Overseers. Under the Charter of the College, the Board of Overseers must consist of five classes, each of them holding office for five years. Each class numbers five members, two of the five having been nominated from the Alumni. At the present time ten of the fourteen Fellows and twenty-two of the twenty-five Overseers are Alumni. The graduates of Bates number 2,285. Of these 2,054 are living. The Bates Semi-Centennial was celebrated June 21-24, 1914.

CORPORATION

BOARD OF PRESIDENT AND FELLOWS

GEORGE C. CHASE, D.D., LL.D.,	Lewiston
PRESIDENT	
HON. GEORGE E. SMITH, A.B., LL.D.,	Boston, Mass.
LINDLEY M. WEBB, A.B., Esq.,	Portland
HON. CHARLES A. MILLIKEN,	Augusta
REV. FRITZ W. BALDWIN, D.D.,	Acworth, N. H.
JOSEPH A. CORAM,	Boston, Mass.
HON. WILBUR H. JUDKINS, A.B., Esq.,	Lewiston
REV. ASHMUN T. SALLEY, A.B., D.D.,	Lewiston
HON. ALBERT M. SPEAR, A.B., LL.D.,	Gardiner
WHITEFIELD N. THOMPSON, A.B., M.D.,	Hartford, Conn.
HON. OLIVER B. CLASON, A.B.,	Gardiner
WILLIAM F. GARCELON, A.B., Esq.,	Boston, Mass.
HON. CARL E. MILLIKEN, A.B., LL.D.,	Augusta
ARTHUR S. LITTLEFIELD, A.M., LL.B.,	Rockland
HON. HENRY W. OAKES, A.B., A.M.,	Auburn
HON. FRANKLIN M. DREW, A.B., A.M.,	Lewiston
SECRETARY	

BOARD OF OVERSEERS

OREN CHENEY BOOTHBY, A.B., Esq.
PRESIDENT

LOUIS B. COSTELLO, A.B.,
SECRETARY

Term Expires in 1919

HON. RANSFORD W. SHAW, Houlton
RICHARD B. STANLEY, A.B., Esq., Boston, Mass.
REV. THOMAS H. STACY, A.B., D.D., Concord, N. H.
WILLIS A. TRAFTON, Auburn
LEWIS M. PALMER, A.B., A.M., M.D., South Framingham, Mass.

Term Expires in 1920

HON. WALTER E. RANGER, A.B., A.M., LL.D., Providence, R. I.
REV. SAMUEL H. WOODROW, A.B., D.D., St. Louis, Mo.
REV. ARTHUR GIVEN, A.B., D.D., Clermont, Fla.
HERVEY S. COWELL, A.B., A.M., Ph.D., Ashburnham, Mass.
JAMES E. COBURN, Lewiston

Term Expires in 1921

HON. CHARLES S. COOK, A.B., Portland
LOUIS B. COSTELLO, A.B., Lewiston
MRS. ELIZABETH BODGE WILSON, A.B., Portland
REV. FREDERICK E. EMRICH, A.B., D.D., Boston, Mass.
SCOTT WILSON, A.B., Esq., Portland

Term Expires in 1922

WILLIAM E. C. RICH, A.B., A.M.,	Ocean Park
REV. ALBERT W. JEFFERSON, D.D.,	Hillsdale, Mich.
JOHN L. READE, A.B., Esq.,	Lewiston
WILLIAM B. KENDALL,	Bowdoinham
HAROLD S. LIBBEY, A.B.,	Lewiston

Term Expires in 1923

ALBERT F. GILMORE, A.B.,	New York, N. Y.
FRANK H. BRIGGS, A.B.,	Auburn
MRS. MARY BRACKETT ROBERTSON, A.B.,	Washington, D. C.
HON. WILLIAM B. SKELTON, A.B., Esq.,	Lewiston
OREN CHENEY BOOTHBY, A.B., Esq.,	Boston, Mass.

COMMITTEES OF THE BOARDS

EXECUTIVE:

G. C. Chase, W. H. Judkins, A. T. Salley, H. W. Oakes, L. B. Costello, W. B. Skelton, J. E. Coburn

FINANCE AND OVERSIGHT:

H. W. Oakes, L. B. Costello, W. A. Trafton

COMMITTEES FOR THE BOARDS

PRUDENTIAL:

D. E. Andrews, F. M. Drew, George W. Lane, Jr., G. E. Ramsdell

VISITING:

Rev. Arba J. Marsh, A.B., D.D., Rev. D. N. Beach, A.B., D.D., W. E. Pulsifer, A.M., W. H. H. Bryant, A.M.

VACANCIES IN THE CORPS OF INSTRUCTION:

G. C. Chase, A. T. Salley, W. H. Judkins

EXAMINING:

Hon. A. O. Thomas, Ph.D., Superintendent of the Public Schools of Maine, Rev. H. P. Woodin, A.B., D.D., W. L. Powers, A.B., Pd.D., A. C. Yeaton, A.B.

LIBRARY:

W. H. Hartshorn, L. G. Jordan, W. H. Judkins, Blanche W. Roberts

COLLEGE COMMONS:

R. R. N. Gould, G. W. Lane, Jr., F. E. Pomeroy

AUDITORS:

Charles F. Goss, George J. Wallingford

TREASURER:

George W. Lane, Jr.

ASSISTANT TREASURER:

Delbert E. Andrews

OFFICERS AND INSTRUCTORS

GEORGE COLBY CHASE, A.M., D.D., LL.D., 16 Frye St.
President, Professor of Psychology and Logic

LYMAN GRANVILLE JORDAN, A.M., PH.D., 250 College St.
Stanley Professor of Chemistry
Endowed in memory of the late Professor Richard C. Stanley

WILLIAM HENRY HARTSHORN, A.M., LITT.D.,
Professor of English Literature 336 College St.

HERBERT RONELLE PURINTON, A.M., D.D.,
36 Mountain Ave.
Fullonton Professor of Biblical Literature and Religion
Endowed in memory of the late Professor John Fullonton

GROSVENOR MAY ROBINSON, A.M., 22 Wakefield St.
Professor of Public Speaking

ARTHUR NEWTON LEONARD, A.M., PH.D., 12 Abbott St.
Professor of German

FRED AUSTIN KNAPP, A.M., 32 Mountain Ave.
Professor of Latin

FRED ELMER POMEROY, A.M., 342 College St.
Professor of Biology

HALBERT HAINS BRITAN, A.M., PH.D.,
Cobb Professor of Philosophy 17 Mountain Ave.
Endowed in memory of the late Hon. J. L. H. Cobb

GEORGE MILLET CHASE, A.M., 20 Frye St.
Belcher Professor of Greek
Endowed by Mrs. Sarah Belcher

WILLIAM RISBY WHITEHORNE, A.M., PH.D.,
Professor of Physics 55 Cottage St.

GEORGE EDWIN RAMSDELL, A.M., 40 Mountain Ave.
Professor of Mathematics

FRANK DEAN TUBBS, A.M., S.T.D., 129 Wood St.
Professor of Geology and Astronomy

CLARA LUCENA BUSWELL, A.B., Rand Hall
Dean of Women

R. R. N. GOULD, A.M., 250 College St.
Knowlton Professor of History and Government
Endowed in memory of the late Rev. Ebenezer Knowlton

ARTHUR FREDERICK HERTELL, A.M., 384 Main St.
Professor of French

ALBERT CRAIG BAIRD, A.M., B.D., 173 Wood St.
Professor of English and Argumentation

ROYCE DAVIS PURINTON, A.B., B.P.E., 793 Main St.
Director of Physical Training and Instructor in Physiology

JOHN MURRAY CARROLL, A.M., 94 Googin St.
Professor of Economics

SAMUEL FREDERICK HARMS, A.M., 8 Abbott St.
Assistant Professor of German

ROBERT ALEXANDER FYFE McDONALD, A.M., PH.D.
Professor of Education 144 Nichols St.

*WILLIAM HAYES SAWYER, JR., A.M., 18 Arch Ave.
Instructor in Biology

SYDNEY BARLOW BROWN, A.M., 18 Arch Ave.
Instructor in French

LAURENCE RICH GROSE, A.M., M.F., 3 Benson St.
Instructor in Forestry

CHARLES HENRY HIGGINS, B.S., 43 Winter St., Auburn
Instructor in Chemistry

LENA MABEL NILES, A.B., Frye Street House
Director of Hygiene for the Women

*On leave of absence in war service in France.

RUTH HAMMOND, B.S., Rand Hall
Instructor in Household Economy

BEATRICE GOULDING BURR, A.B., 10 White St.
Instructor in Biology

KARL STANLEY WOODCOCK, B.S., Roger Williams Hall
Instructor in Physics

HARRY WILLISON ROWE, A.B., 350 College St.
Secretary Young Men's Christian Association

BLANCHE WHITTUM ROBERTS, A.B., 128 Wood St.
Librarian

MABEL EMERY MARR, A.B., 205 College St.
Assistant Librarian

LYMAN GRANVILLE JORDAN, A.M., PH.D., 250 College St.
Secretary

GEORGE MILLET CHASE, A.M., 20 Frye St.
Assistant Secretary

ELIZABETH DYER CHASE, A.B., 16 Frye St.
Secretary to the President

NOLA HOUDLETTE, A.B., Whittier House
Registrar

MARY ESTHER HUCKINS, A.B., Milliken House
Secretary to the Dean of Women

DELBERT ELVIN ANDREWS, A.B., 368 College St.
Superintendent of Grounds and Buildings

ESTELLE BRADBURY KIMBALL, Frye Street House
Matron

EDWIN LINCOLN GOSS 94 Nichols St.
Chorister

COMMITTEES OF THE FACULTY

DEGREES:

G. C. Chase, L. G. Jordan, W. H. Hartshorn, H. R. Purinton

ATHLETICS:

F. E. Pomeroy, R. D. Purinton, G. E. Ramsdell

ENTRANCE EXAMINATIONS:

F. A. Knapp, W. H. Hartshorn, A. C. Baird, G. E. Ramsdell, Clara L. Buswell, W. H. Sawyer, C. H. Higgins, L. R. Grose

REGISTRATION:

G. M. Chase, A. F. Hertell, J. M. Carroll, S. F. Harms

CURRICULUM:

G. C. Chase, L. G. Jordan, W. H. Hartshorn, A. N. Leonard, F. A. Knapp, W. R. Whitehorne, H. H. Britan

PUBLICATIONS:

A. N. Leonard, H. H. Britan, A. C. Baird, S. B. Brown, K. S. Woodcock

CO-OPERATION WITH LITERARY SOCIETIES:

F. D. Tubbs, Clara L. Buswell, A. C. Baird

EMPLOYMENT BUREAU:

D. E. Andrews, G. M. Robinson, H. W. Rowe, Blanche W. Roberts, Ruth Hammond, Lena M. Niles, Estelle B. Kimball

TEACHERS' BUREAU:

H. H. Britan, F. D. Tubbs, R. R. N. Gould, W. R. Whitehorne, R. A. F. McDonald

SCHOLARSHIPS AND BENEFICIARY FUNDS:

G. C. Chase, F. A. Knapp, G. E. Ramsdell, D. E. Andrews, H. R. Purinton, Clara L. Buswell

MEMBERS OF ATHLETIC COUNCIL:

F. E. Pomeroy, R. D. Purinton, G. E. Ramsdell, R. R. N. Gould

PREPARATORY SCHOOLS:

F. A. Knapp, R. D. Purinton, R. R. N. Gould, A. F. Hertell, R. A. F. McDonald, A. N. Leonard

ENTERTAINMENTS:

G. M. Robinson, H. W. Rowe, Clara L. Buswell, S. B. Brown, Ruth Hammond, Lena M. Niles, L. R. Grose, Beatrice G. Burr, K. S. Woodcock, Estelle B. Kimball

MUSIC:

A. F. Hertell, G. M. Robinson, H. H. Britan, S. B. Brown

ALUMNI:

H. W. Rowe, L. G. Jordan, G. M. Chase, F. E. Pomeroy, W. H. Sawyer, C. H. Higgins, Elizabeth D. Chase, Blanche W. Roberts

STANDING OF STUDENTS:

R. R. N. Gould, S. F. Harms, Clara L. Buswell, Nola Houdlette

COLLEGE COMMONS:

G. C. Chase, D. E. Andrews, J. M. Carroll, R. D. Purinton, R. R. N. Gould, S. B. Brown.

PROMOTION OF RELIGIOUS INTERESTS:

H. R. Purinton, G. M. Chase, F. A. Knapp, G. M. Robinson, H. W. Rowe, A. N. Leonard, D. E. Andrews, Lena M. Niles

DEBATING COUNCIL:

A. C. Baird, G. M. Chase, J. M. Carroll, G. M. Robinson

PUBLICITY COMMITTEE:

A. C. Baird, H. W. Rowe, R. A. F. McDonald, Nola Houdlette

PUBLIC EXERCISES—HOLIDAYS:

H. R. Purinton, A. C. Baird, G. M. Robinson, H. W. Rowe

ADMISSION OF STUDENTS

GENERAL STATEMENT

All candidates for admisssion to the College must offer satisfactory testimonials of good moral character; and those that have been members of other colleges must present certificates of honorable dismission.

Young men desiring information about the College or seeking admission should address President George C. Chase, 16 Frye St., Lewiston; young women, Dean Clara L. Buswell, Rand Hall, Bates College, Lewiston.

A young woman applying for admission must furnish a certificate of character and scholarship from her principal, a certificate of health equal to the demands of a college course from her physician, and a certificate of character and worth from her pastor. Not more than fifty applicants can be received in any one year. Application should be made not later than March 1 of the year for which admission is sought. If practicable, the list of successful candidates will be announced about May 1.

Young men desiring information about rooms in the College dormitories should write to Superintendent Delbert E. Andrews, 368 College Street.

The requirements in particular subjects are as follows:

LATIN

The requirements in Latin are those recommended in the "Report of the Commission on College-Entrance Requirements in Latin," and are as follows:

1. Amount and Range of the Reading Required.

1. The Latin reading required of candidates, without regard to the prescription of particular authors and works, shall be not less *in amount* than Cæsar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Æneid, I-VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters and De Senectute), and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Æneid), and Ovid (Metamorphoses, Fasti, and Tristia).

II. Subjects and Scope of the Examinations.

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Æneid, I, II, and either IV or VI at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and compositon will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

Suggestions Concerning Preparation.

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to

developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

On the basis of the above Report the examinations will be grouped as follows:

I. Two Years of Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of five exercises a week for two years. It will include translation from Cæsar's Gallic War, Book I, easy sight passages, and Grammar and Composition.

This examination is designed to meet the needs of such candidates for the degree of Bachelor of Science as offer only two years of Latin.

II. Elementary Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of five exercises a week for at least three years. It will include translation of prose at sight, Cicero, as indicated above in Section II, Article 2, and Grammar and Composition.

III. Advanced Latin.

The examination will be adapted to the proficiency of those that have studied in Latin in a systematic course of five exercises a week for at least four years. It will cover the work outlined in Section II of the Report.

GREEK

I. Elementary Greek.

Candidates presenting this subject should be able to translate at sight simple Attic prose, and should possess a thorough mastery of ordinary Greek inflections, principles of syntax, and idioms, involving the ability to write simple Attic prose. To attain the required proficiency, a student should have studied Greek for two years, in a systematic course of five exercises a week, including the reading of four books of Xenophon's Anabasis or an equivalent, thorough study of Grammar, and considerable practice in writing Greek sentences involving ordinary idioms and constructions.

II. Advanced Greek.

Candidates presenting this subject should be able to translate at sight passages from Homer, as well as from Attic prose, and should be well grounded in the epic dialect, the prosody of Homer and the general features of Homeric life. They should also be able to translate into Attic prose simple English passages of connected narrative. These requirements involve, in addition to the course in Elementary Greek, a third year of study, with exercises five times a week, and necessitate the reading of additional Attic prose and of at least the first three books of the Iliad

or an equivalent, and practice in the writing of connected passages of Attic prose.

Students admitted without Greek may begin the study of Greek in the Freshman year and go on to the regular courses in that language.

ENGLISH

The study of English in school has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

Grammar and Composition. The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary-school period. Written exercises may well comprise letter writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether written or oral.

Literature. The second object is sought by means of two lists of books, headed respectively *Reading* and *Study,* from which may be framed a progressive coure in literature covering four years. In connection with both lists, the student should be trained in reading aloud and be encouraged to commit to memory some of the more notable passages in both verse and prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and wtih their place in literary history.

A. Reading

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

For 1916–1919.

Group I. Classics in Translation. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books i-v and xv-xvii; the Iliad, with the omission, if desired, of Books xi, xiii, xiv, xv, xvii, xxi; Vergil's Æneid. The Odyssey, Iliad and Æneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

Group II. Shakespeare: Midsummer Night's Dream; Merchant of Venice; As You Like It; Twelfth Night; The Tempest; Romeo and Juliet; King John; Richard II; Richard III; Henry V; Coriolanus; Julius Cæsar;* Macbeth; Hamlet.*

Group III. Prose Fiction. Malory: Morte d'Arthur (about 100 pages); Bunyan: Pilgrim' Progress Part I; Swift: Gulliver's Travels (voyages to Lilliput and to Brobdignag); Defoe; Robinson Crusoe, Part I; Goldsmith: Vicar of Wakefield; Frances Burney: Evelina; Scott's Novels: any *one*; Jane Austen's Novels: any *one;* Dickens' Novels: any *one;* Thackeray's Novels: any *one;* George Eliot's Novels: any *one;* Mrs. Gaskell: Cranford; Kingsley: Westward Ho! or Hereward, the Wake; Reade: The Cloister and the Hearth; Blackmore: Lorna Doone; Hughes: Tom Brown's School Days; Stevenson: Treasure Island or Kidnapped or Master of Ballantrae; Cooper's Novels: any *one;* Poe: Selected Tales; Hawthorne: The House of the

*If not chosen for study under B.

Seven Gables or Twice Told Tales or Mosses from an old Manse; A collection of Short Stories by various standard writers.

Group IV. Essays, Biography, etc. Addison and Steele: The Sir Roger de Coverley Papers or Selections from the Tatler and Spectator (about 200 pages); Boswell: Selections from the Life of Johnson (about 200 pages); Franklin: Autobiography; Irving: Selections from the Sketch Book (about 200 pages) or Life of Goldsmith; Southey: Life of Nelson; Lamb: Selections from the Essays of Elia (about 100 pages); Lockhart: Selections from the Life of Scott (about 200 pages); Thackeray: Lectures on Swift, Addison, and Steele in the English Humorists; Macaulay: Any *one* of the following essays: Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay; Trevelyan: Selections from the Life of Macaulay (about 200 pages); Ruskin: Sesame and Lilies or Selections (about 150 pages); Dana: Two Years Before the Mast; Lincoln: Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman: The Oregon Trail; Thoreau: Walden; Lowell: Selected Essays (about 150 pages); Holmes: The Autocrat of the Breakfast Table; Stevenson: An Inland Voyage and Travels with a Donkey; Huxley: Autobiography and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; A Collection of Essays by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; A Collection of Letters by various standard writers.

Group V. Poetry. Palgrave: Golden Treasury (First Series): Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave; Golden Treasury (First Series): Book IV, with special attention to Wordsworth, Keats and Shelley (if not chosen for study under B); Goldsmith: The Traveller and The Deserted Village; Pope: The Rape of the Lock; A Collection of English and Scottish Ballads, as for example, some Robin Hood ballads, The Battle of Otterburn, King Estmere, Young Beicham, Bewick and Grahame, Sir Patrick Spens, and a selection from later ballads; Coleridge: The Ancient Mariner; Byron: Childe Harold, Canto III or IV, and

The Prisoner of Chillon; Scott: The Lady of the Lake, or Marmion; Macaulay: The Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivry; Tennyson: The Princess, or Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning: Cavalier Tunes, The Lost Leader, How they Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa —Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus; Arnold: Sohrab and Rustum, and The Forsaken Merman; Selections from American Poetry, with special attention to Poe, Lowell, Longfellow, and Whittier.

B. Study

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

Group I. Drama. Shakespeare: Julius Cæsar, Macbeth, Hamlet.

Group II. Poetry. Milton: L'Allegro, Il Penseroso, and either Comus or Lycidas; Tennyson: The Coming of Arthur, The Holy Grail, and The Passing of Arthur; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's Golden Treasury (First Series).

Group III. Oratory. Burke: Speech on Conciliation with America; Macaulay's Speech on Copyright and Lincoln's Speech at Cooper Union; Washington's Farewell Address and Webster's First Bunker Hill Oration.

Group IV. Essays. Carlyle: Essay on Burns, with a selection from Burns' Poems; Macaulay: Life of Johnson; Emerson: Essay on Manners.

Examination. However satisfactory in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which will be on grammar and composition, and the other on literature.

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn chiefly from the books read.

An examination in literature will include:

A. General questions designed to test such a knowledge and appreciation of literature as may be gained by fulfilling the requirements defined under A. READING above. The candidate will be required to submit a list of books read in preparation for the examination, certified by the principal of the school in which he was prepared; but this list will not be made the basis of detailed questions.

B. A test on the books prescribed for study, which will consist of questions upon their form, content, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning lives of the authors, their other works, and the periods of literary history to which they belong.

MATHEMATICS

I. ELEMENTARY MATHEMATICS.

(1) Algebra. Through equations of the second degree.

Although candidates are not examined in Arithmetic, a thorough knowledge of its fundamental principles is an essential part of a preparatory course. This subject should not be neglected by candidates.

The required work in Algebra should ordinarily cover two years' work of five recitations per week, and includes the follow-

ing subjects: Factors, fractions, ratio and proportion; negative quantities and interpretation of negative results; a thorough knowledge of radicals and the solution of equations involving radicals, fractional and negative exponents; the binomial theorem for positive integral exponents; extraction of roots; the solution of equations with one or more unknowns, whether of the first or second degree, and with literal as well as numerical coefficients, and of problems leading to such equations; arithmetical and geometrical progression.

It is recommended that the student familiarize himself with the solution of simultaneous equations of two or three unknowns, that he be able to solve quadratics at sight, either by factorization or by formula, and that he learn to draw the graphs of linear and quadratic equations of two unknowns.

(2) Plane Geometry. The required work in plane geometry should extend throughout one year of five recitations per week.

The theorems and constructions as found in good text-books: The properties of plane rectilinear figures; the circle, and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. A large part of the time should be given to original demonstrations of exercises, and this should be insisted upon as a part of the required work in the course.

II. Advanced Mathematics. ..

(1) Algebra, including choice, chance, theory of limits, the binomial theorem for negative and fractional exponents, logarithms, series, determinants, graphs, derivatives, and the theory of equations.

(2) Solid Geometry, as represented by the ordinary college text-books. Candidates should be able to solve readily problems of solid mensuration and to demonstrate original theorems that may be deduced easily from the text.

(3) Plane Trigonometry as represented by the usual text-books. Candidates must be familiar with the theory and use of six-place logarithmic tables.

FRENCH

*The admission requirements in elementary and advanced French are those recommended by the Modern Language Association of America.

I. Elementary French.

The work to be done during the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, of pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: About's "Le roi des montagnes," Bruno's "Le tour de la France," Daudet's easier short tales, La Bédollière's "La Mère Michel et son chat," Erck-

*See pages 61 and 90 for entrance requirements and for requirements in college.

mann-Chatrian's stories, Foa's "Contes biographiques" and "Le petit Robinson de Paris," Foncin's "Le pays de France," Labiche and Martin's "La poudre aux yeux" and "Le voyage de M. Perichon," Legouvé and Labiche's "La cigale chez les fourmis," Malot's "Sans famille," Mairet's "La tâche du petit Pierre," Mérimee's "Colomba," extracts from Michelet, Sarcey's "Le siège de Paris," Verne's stories.

II. Advanced French.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's "Le gendre de M. Poirier," "Béranger's poems," Daudet's "La Belle-Nivernaise," Corneille's "Le Cid" and "Horace," Coppée's poems, Le Brète's "Mon oncle et mon curé," Madame de Sévigné's letters, Hugo's "Hernani" and "La Chute," Labiche's plays, Loti's "Pêcheur d'Islande," Mignet's historical writings, Molière's "L'Avare," and "Le Bourgeois Gentilhomme," Racine's "Athalie," "Andromaque," and "Esther," Thier's L'expédition de Bonaparte en Egypte," George Sand's plays and stories, Sandeau's "Mademoiselle de la Seiglière," Scribe's plays, Thierry's "Recits des temps mérovingiens," Vigny's "La canne de jonc," Voltaire's historical writings.

GERMAN

*The admission requirements in elementary and advanced German are those recommended by the Modern Language Association of America.

I. Elementary German.

The first year's work should comprise: (1) careful drill upon pronunciation; (2) memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar.

*See pages 63 64 and 90 for entrance requirements and for requirements in college.

that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs, also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in reproducing natural forms of expression; (5) the reading of 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in reproducing from memory sentences previously read.

The second year's work should comprise: (1) the reading of 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in translating into German easy variations upon the matter read, also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of grammar, directed to the end of enabling the pupil, first, to use his knowledge with facility in forming sentences, and second, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen, Märchen and Bilderbuch ohne Bilder; Arnold, Fritz auf Ferien; Baumbach, Die Nonna and Der Schwiegersohn; Gerstäcker, Germelshausen; Heyse, L'Arrabbiata, Das Mädchen von Treppi, and Anfang und Ende; Hillern, Höher als die Kirche; Jensen, Die braune Erica; Leander, Träumereien and Kleine Geschichten; Seidel, Märchen; Stökl, Unter dem Christbaum; Storm, Immensee and Geschichten aus der Tonne; Zchokke, Der zerbrochene Krug.

The best shorter plays available are: Bendix, Der Prozess, Der Weiberfeind, and Günstige Vorzeichen; Elz, Er ist nicht eifersuchtig; Wichert, An der Majorsecke; Welhelmi, Einer muss heiraten. Only one of these plays need be read, and the narrative style should predominate. A good selection of reading

matter for the second year would be Andersen, Märchen, or Bilderbuch, or Leander, Träumereien, to the extent of about forty pages. Afterward, such a story as Das kalte Herz, or Der zerbrochene Krug; then Höher als die Kirche; or Immensee; next a good story by Heyse, Baumbach, or Seidel; lastly Der Prozess.

II. Advanced German.

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with especial reference to the infinitive and subjunctive), and likewise upon order and word formation.

Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach, Die Freiherren von Gemperlein; Freytag, Die Journalisten and Bilder aus der deutschen Vergangenheit, for example Karl der Grosse, Aus den Kreuzzügen, Doktor Luther, Aus dem Staat Friedrichs des Grossen; Fouqué, Undine; Gerstäcker, Irrfahrten; Goethe, Hermann und Dorothea and Iphigenie; Heine's poems and Reisebilder; Hoffman, Historiche Erzählungen; Lessing, Minna von Barnhelm; Meyer, Gustav Adolfs Page; Moser, Der Bibliothekar; Riehl, Novellen, for example Burg Neideck, Der Fluch der Schönheit, Der stumme Ratsherr, Das Spielmannskind; Rosegger, Waldheimat; Schiller, Der Neffe als Onkel, Der Geisterseher, Wilhelm Tell, Die Jungfrau von Orleans, Das Lied von der Glocke, Balladen; Scheffel, Der Trompeter von Säkkingen; Uhland's poems; Wildenbruch, Das edle Blut. A good selection would be: (1) one of Reihl's novelettes; (2) one of Freytag's "pictures"; (3) part of Undine or Der Geisterseher; (4) a short course of reading in lyrics and ballads; (5) a classical play by Schiller, Lessing, or Goethe.

CHEMISTRY

The examination in this subject implies an acquaintance by recitation and laboratory work with elementary processes and with the properties of common chemical substances; also a familiarity with the chemical notation in its arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations.

The requirements in this subject include the study of both metals and non-metals, and may be met by the use of any good elementary text-book and laboratory manual, and the presentation of a satisfactory laboratory certificate describing the work done.

PHYSICS

The student must present satisfactory evidence that he has completed a year's work in Physics based upon a standard text-book (Carhart and Chute's, Millikan and Gale's, and Gage's are recommended). The course must include at least one two-hour laboratory period per week. To receive credit in Physics a laboratory certificate describing the work done must be presented. At least forty experiments should be performed.

BIOLOGY

One year's work in Biology may be offered for one unit in the preparatory course. The year's work should be equivalent to at least one hundred one-hour exercises, consisting of at least one-half laboratory work. A laboratory certificate describing the work done must be presented. The course may consist of one year's work in Zoölogy, or one year's work in Botany, or one-half year's work in each.

It is desirable that considerable field work be done; that the animals and plants be studied in their natural environment. A large amount of data, obtained through accurate observation out-of-doors, forms the best foundation for the work to be accomplished in the laboratory and recitation room.

It is more important that a relatively small amount of laboratory work be carefully and thoroughly accomplished by proper

laboratory methods, than that a large amount of ground be covered in a superficial and unscientific manner.

For a year's work in Zoölogy, the following texts—supplemented with such laboratory work as time and text would require—are approved: General Zoölogy, by Linville and Kelley; Zoölogy, Descriptive and Practical, by Colton; Introduction to Zoölogy, by Davenport.

For one-half year's course in Zoölogy: Animal Life, by Jordan and Kellogg; Animal Forms, by Jordan and Heath; Practical Zoölogy, by Davison.

For a year's course in Botany: Plants, by Coulter; Elements of Botany, by Bergen; Introduction to Botany, by Stevens.

For a one-half year's course in Botany: such parts—selected by instructor—of one of the above texts, as can be properly handled in the time.

HISTORY

United States History and Civics.

The student should have a general knowledge of the colonization of the several states, the forms of government that existed previous to the War of Independence, the causes and principal events of that war, the Period of the Confederation and the establishment of the Federal Constitution with the general history subsequent to that event.

English History.

In this subject a general knowledge of the social and political development of England is expected of the student. This applies in particular to the centuries subsequent to the Norman conquest and to the movements that culminated in the creation of a British Empire and of a limited monarchy.

Ancient History, Greek and Roman

The student should know the main facts respecting the political development of Greece and the Roman Republic and Empire, and should possess a general acquaintance with Greek and Roman life, literature and art.

DEGREES

Students are admitted to Bates Collgee as candidates for the degree either of Bachelor of Arts or of Bachelor of Science. The degree of Bachelor of Arts is regularly conferred upon those that have included among their courses one year of college Latin. In exceptional cases the degree may be conferred also upon students that have not taken Latin, but, beginning Greek in college, have continued the study of the same through Courses 1 and 2. Students that pursue neither Latin nor Greek receive the degree of Bachelor of Science. Young women admitted to Bates must offer adequate preparation in Latin, and they are enrolled as candidates for the degree of Bachelor of Arts.

ADMISSION GROUPS

To show clearly the requirements for admission the following grouping of the preceding subjects is made. Candidates for admission to the Freshman Class must show adequate preparation in all the subjects of Group I and in enough of Group II to make a total of 14½ units. To count a unit a subject must be pursued for one school year of thirty-six weeks with five recitation periods per week.

A.B. Course—*Group I*	Units	B.S. Course—*Group I*	Units
English A and B, (3 years),	3	English, A and B (3 years),	3
*Latin	3	Modern Language	2
Algebra	1½	Algebra	1½
Plane Geometry	1	Plane Geometry	1
†History	1	†History	1
Total required	9½	Total required	8½

*Though three years of Latin will be accepted for admission to the course leading to the degree of Bachelor of Arts, the candidate is strongly urged to present four years. All that present three years only will be required to take two full years of Latin while in college in order to qualify for the above-mentioned degree. See page 17 for a statement about the required college courses in Latin.

†In presenting History for admission, the candidate has the option of presenting either one full year of one History or a half-year of each of two.

A.B. Course—*Group II*

	Units
Elementary Greek	2
Advanced Greek	1
Advanced Latin	1
Elementary French	2
Advanced French	1
Elementary German	2
Advanced German	1
Chemistry (including note-book)	1
Physics (including note-book)	1
Biology (including note-book)	1
†General Science	1
Advanced Algebra	½
Solid Geometry	½
Plane Trigonometry	½
‡Greek History and Roman History	½ or 1
American History and Civil Government	½ or 1
English History	½ or 1
†Bible Study	1
Total elective	5

B.S. Course—*Group II*

	Units
Two years of Latin	2
Elementary Latin	3
Advanced Latin	1
Elementary Greek	2
Advanced Greek	1
Elementary French (if not offered in Group I)	2
Advanced French	1
Elementary German (if not offered in Group I)	2
Advanced German	1
Chemistry (including note-book)	1
Physics (including note-book)	1
Biology (including note-book)	1
†General Science	1
Advanced Algebra	½
Solid Geometry	½
Plane Trigonometry	½
American History	½ or 1
‡Greek History and Roman History	½ or 1
English History	½ or 1
†Bible Study	1
*Free Hand Drawing	½
*Mechanical Drawing	½
Total elective	6

*Accepted only from schools fully equipped for work of this character.

†Accepted only upon evidence that it represents serious work and sound methods.

‡Whenever History is offered by the candidate, his Principal should state definitely whether the subject has been studied in a full year's, or a half year's course.

Candidates for the degree of Bachelor of Arts must present in addition to Group I a selection of subjects from Group II aggregating five units according to the valuation there indicated. This selection must include either Elementary Greek, Elementary French, or Elementary German.

Candidates for the degree of Bachelor of Science must present in addition to Group I a selection of subjects from Group II aggregating six units according to the valuation there indicated.

A FREE MARGIN OF ELECTIVES

In special cases, other secondary school subjects, aggregating not more than two units, will be accepted. Candidates for admission that wish to avail themselves of this privilege, must present from their Principals full statements both of the amount and of the quality of work done in such subjects. Only subjects that require serious intellectual efforts will be considered.

THE METHODS OF ADMISSION.

All candidates for admission must present evidence of sound moral character, of an approved school course satisfactorily completed, and of sufficient maturity and ability to do college work.

THE TWO PLANS OF EXAMINATIONS

I. The Old Plan of Examinations.

To secure admission under this plan, the examination of the candidate must show adequate preparation in the subjects prescribed on page 33, and in enough of the elective subjects listed on page 34 to be credited with a total of fourteen and one-half units.

Candidates that meet in full these requirements are admitted to regular standing. Candidates that fail to meet in full the requirements indicated above may be admitted under conditions which must be removed later by complying with certain regulations under the direction of the Committee on Registration. In

admitting students with conditions, each case is settled on its merits. Ordinarily, however, a condition of more than two units is not granted.

II. The New Plan of Examinations.

To be admitted under this plan a candidate

(1) Must present evidence of an approved school course satisfactorily completed; and

(2) Must show in four examinations as explained below that his scholarship is of a satisfactory quality:

SCHOOL RECORD

A candidate must preesent to the Committee on Admission evidence of his secondary school work in the form of an official detailed statement showing

(a) The subjects studied by him and the ground covered.

(b) The amount of time devoted to each.

(c) The quality of his work in each subject.

To be approved, this statement must show

(a) That the candidate's secondary school course has extended over four years.

(b) That his course has been concerned chiefly with languages, mathematics, and history.

(c) That the English and Latin of his school program, if he is a candidate for the A.B., have been pursued for not less than the equivalent of five periods per week for three years; the English for three years, and the French or German for two years, if he is a candidate for the B.S. The candidate for the A.B. is advised to offer four years of Latin if possible; and the candidate for the B.S. is advised to offer three years of French or German if possible.

THE EXAMINATIONS

If the official detailed statement presented by the candidate shows that he has satisfactorily completed an approved secondary school course, he may present himself for examinations in four subjects as follows:

For the A.B.

1. English
2. Latin
3. Mathematics (Algebra and Plane Geometry).
4. One of the following subjects:
   (a) Chemistry.
   (b) Physics.
   (c) History: either
      (1) Greek and Roman, or
      (2) American, or
      (3) English.

For the B.S.

1. As for the A.B.
2. Either French or German.

3 and 4. As for the A.B.

These four examinations must be taken at one time, either in June or in September. Candidates who show by their school records and college examinations that they have the ability to take advantage of college work and college methods, will be admitted without conditions. If a candidate is not admitted, it will mean that his school record and college examinations do not show a scholarship adequate for college work.

ADMISSION BY CERTIFICATE

Graduates of schools approved by the New England College Entrance Certificate Board are admitted without examination. The colleges associated in this Board are Amherst, Bates, Boston University, Bowdoin, Brown University, Colby, Massachusetts Agricultural, Middlebury, Mount Holyoke, Smith, Tufts, University of Vermont, Wellesley, Wesleyan University, Williams.

Certificates are passed upon by the individual colleges above named. All schools in New England desiring the certificate privilege should apply to the Secretary of the Board, Professor Frank W. Nicolson, Wesleyan University, Middletown, Conn., before April 1st. Schools outside of New England desiring the certificate privilege should apply to the Registrar of Bates College, Roger Williams Hall, Lewiston, Maine.

Certificates should meet the requirements in full, but certificates covering eight units of the requirements will be accepted

and the candidates will be examined on the remaining units. Candidates offering certificates for less than eight units of the requirements must be examined in full. Candidates that have taken preparatory work in more than one school must be certified by the principal of each of the schools in which they have taken work.

Blanks for certificates will be furnished by the Registrar of the College. School diplomas will not be accepted in place of certificates. Certificates that candidates have met the entrance requirements of another college will ordinarily be accepted, provided they cover the usual subjects or their equivalents, required for admission to Bates College.

ADMISSION BY CERTIFICATE OF EXAMINATIONS

Academic diplomas issued by the Regents of the University of the State of New York are accepted in all required subjects covered by them.

Certificates of the New York State Examination Board are accepted.

Certificates of the College Entrance Examination Board are accepted.

ADMISSION FROM OTHER COLLEGES

Students from other colleges seeking admission to Bates must present the following credentials: a letter of honorable dismissal, a statement of method of admission, an official statement in detail of studies taken by terms or semesters, with standing in the same, the exact number of terms of attendance, and a marked catalogue of the institution, showing each subject that has been completed.

DATES OF EXAMINATIONS FOR ADMISSION

The regular examinations for admission to Bates begin on Tuesday, September 23, at 8.00 o'clock A.M., in Room 1, Hathorn Hall. Arrangements may be made for taking examinations at the student's own school beginning on the first Monday in June.

Principals, wishing thus to assume the responsibility of the examinations, should register their requests for examination papers, stating the subjects and the number of papers required in each, with the Chairman of the Committee on Entrance Examinations, Professor F. A. Knapp, 32 Mountain Ave., Lewiston, Maine, not later than May 25. Examinations will not be held at the College in June.

SCHEDULES OF EXAMINATIONS

JUNE EXAMINATIONS

(In the Schools)

Time	Monday	Tuesday	Wednesday	Thursday
8.30–10.30	American History	English History	English	Physics
10.30–12.30	Greek and Roman History	French	Chemistry	German
2.00– 4.00	Latin	Algebra	Plane Geometry	Solid Geometry

Principals may give examinations in other subjects at their convenience on any of the days specified above.

SEPTEMBER EXAMINATIONS

(At the College)

Time	Tuesday	Wednesday
8.00–10.00	History, Solid Geometry	Chemistry or Physics
10.00–12.00	French	English
1.30– 3.30	Algebra	Plane Geometry
3.30– 5.30	Latin	German

Other subjects may be arranged for by consulting the examiner at the time of the History examination.

COURSES OF INSTRUCTION

Most of the work of the Freshman year is required. Some electives are introduced in the second semester of the Freshman year and are increased in number with each succeeding semester. The essentials of a liberal education are constantly kept in view and the attainment of knowledge is made tributary to the love of study, the habit of investigation, and the tastes and aptitudes of the scholar. The individuality of students is recognized and encouraged without the sacrifice of breadth and thoroughness. Class-room work is supplemented by original observation and research and by a systematic use of the College Library.

While in every department the cultural aim is held constant and controlling, the culture sought is of the kind that pays tribute to life. While not mistaking itself for a professional school or a technical school, the College seeks to make all its instruction practical. Each teacher remembers that forty-three out of every hundred of Bates graduates become educators, and strives to exemplify the best Pedagogy. A semester course of one hour a week is devoted to methods of teaching each secondary school subject in which advanced work is done in the College. In addition, the Professor of Education gives carefully planned courses that, while thoroughly cultural, are designed to enable graduates of the College that have satisfactorily completed them to qualify for a teacher's certificate of the first class from State Boards of Education. In like manner, the courses in Elocution and in English, especially the courses in Argumentation, prove of great value to graduates who engage in public speaking and, in particular, to those who practice Law; while the course in Rhetoric and the practical training in Composition afford an admirable preparation for Journalism. So, also, the courses in Biblical Literature and Religion, while having a choice cultural value, are a substantial aid to students contemplating the Christian Ministry. The thorough courses in Chemistry meet the requirements of the best Medical Schools, and those in Biology receive equal recognition. The work in Mechanics, in Electricity and Magnet-

ism, and in the Elements of Electrical Engineering, assures to the general student of these subjects an intelligent acquaintance with the great natural forces of the industrial world and enables the prospective engineer to gain, at comparatively slight cost, advanced standing in such a school of applied science as the Massachusetts Institute of Technology.

Students wishing to enter Medical Schools after completing two years' work in Bates College must present the complete admission requirements as in the case of students matriculating for the A.B. or B.S. degree. The purpose of such students to pursue a medical course after completing the necessary college work must be attested by a written statement from their parents, or their guardians. A change to regular standing may be made only by special vote of the faculty. Such students are required to take work in Biology, Chemistry, Physics, French or German, and may elect one course in some other language.

I. ASTRONOMY

1, 2. General Astronomy. A descriptive and reasoned course concerning the heavenly bodies: their motions, real and apparent; their dimensions and masses; their nature and physical condition; their influences upon one another; and their services to man.

Three hours. Through the year. Elective for Juniors and Seniors.

II. BIBLICAL LITERATURE AND RELIGIOUS EDUCATION

1, 2. Introduction to the Bible. The story of the origin and growth of the Bible, and a general introduction to the different books with special emphasis on the literary forms. This will be followed by a study of the great characters of the Old Testament.

Three hours. Through the year. Elective for Freshmen.

3, 4. History of Religions. A comparative study of the great religious systems of mankind.

Three hours. Through the year. Elective for Sophomores.

4, 5. New Testament Religion and the main stages in the development of Christianity to the present day. A study of the documents of the New Testament in chronological order, and a description of the genesis and growth of certain of the more typical forms and phases of Christianity.

Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1919-1920.

6, 7. Christianity and Democracy. The nature of religion, the different types of the Christian religion that our democracy has inherited, the discovery of new religious values in our community life, and a social interpretation of certain fundamental religious beliefs.

Three hours. Through the year. Elective for Juniors and Seniors.

8, 9. New Testament Greek. Two courses offered by Professor Chase for students preparing for the Christian ministry. See Greek 9, 10.

10, 11. Hebrew Language.

Three hours. Through the year. Elective for Juniors and Seniors.

12, 13. Psychology. See Philosophy 2 and 3, offered by Dr. Britan.

Three hours. Through the year. Elective for Sophomores and Juniors.

14. History of Education, including religious education. See Education 1, offered by Dr. McDonald.

Three hours. First semester. Elective for Juniors.

15. Moral and Religious Development of Children and Youth.

Two hours. First semester. Elective for Juniors and Seniors. Dean Buswell.

16. Materials and Methods in the Curriculum of the Church School. Principles and methods of teaching. Adapt-

ing the lesson material to persons of different ages. Criticism of current systems of Bible lessons. Material for lessons outside the Bible. Dr. McDonald.

Two hours. Second semester. Elective for Juniors and Seniors.

17. Practice Course. Students pursuing courses in the Department of Biblical Literature and Religious Education may receive credit for teaching in approved Sunday schools. The conditions under which this teaching shall be done must be approved by the head of this Department, if the student expects to receive college credit for the same. In addition to the class work in the Sunday school, students in this course will be expected to assist in a religious census or survey of the community.

Connection with Sunday Schools. Bates College grants credit toward admission to College for Bible courses pursued in approved Sunday schools. Churches desiring to secure this credit for their members should make arrangements with the head of the Department of Religious Education.

College Extension Work. The five members of the college faculty, that are connected with this department, assisted by other educators in Maine, are prepared to aid in the conduct of community institutes of religious education and normal classes in local churches. Persons that pursue courses in such institutes or classes, and pass examinations on the same, may receive certificates of attainment from the Department of Religious Education, Bates College.

III. BIOLOGY

General Biology

1. General Biology. This course deals with the general principles of the subject—life, growth, reproduction, irritability, elementary embryology, fundamental structural characteristics of both plants and animals, and with such topics as immunity and heredity. Instruction is given by means of recitations and laboratory work. Field work constitutes an important part of

the course. Trips are taken into the surrounding country for the purpose of collecting and studying both plants and animals in their natural environment.

The aim of this course is to deal extensively with fundamentals; emphasizing the cultural aspects of the subject and the importance of accurate observation.

Two one-hour periods and one two-hour period. Second semester. Elective. This course should be taken by any one who plans to do further work in this department.

BOTANY

1. Morphology, Ecology and General Classification of the Plant Kingdom. The work of the course comprises recitations, lectures and laboratory exercises. A study is made of the principles upon which modern classification is based. Type specimens representing the various groups and sub-divisions of the vegetable kingdom are studied with respect to their distinctive characteristics, structure, etc., together with a consideration of the inter-relations of the groups. In the laboratory the student studies and sketches most of the specimens taken up in recitations.

The purpose of this course is twofold: (1) to give the student a knowledge of the structure and functions of representative types of the plant kingdom, and how these types are related to one another from an evolutionary viewpoint; (2) to continue the training in methods of precision and accuracy in observation so essential to all scientific work.

Two one-hour periods and one two-hour period. First semester. Elective. Biology 1 prerequisite.

2. Morphology, Physiology and Ecology of Flowering Plants. The method of instruction in this course is: (1) recitations upon the above subjects, as they are developed by a study of the text-book, by lectures and in laboratory work; (2) laboratory exercises, in which a careful study is made of the morphology of the various parts of the plant body. The seeds, roots, stems, leaves, flowers and fruits are taken up in succession. The

structure and relation of these parts to the life processes of the plant are recorded in the laboratory note-book, by means of drawings and descriptive notes. Sufficient time is given to flower analysis, so that each student has such practice as will make him familiar with the method of work. Considerable attention is given to field work.

The aim of this course is to give the student a general yet comprehensive knowledge of the life-processes and structure of the flowering plants.

Two one-hour periods and one two-hour period. Second semester. Elective. Biology 1 prerequisite.

ZOÖLOGY

1, 2. General Principles of Zoölogy; and Morphology, Ecology and General Classification of Invertebrate Animals. Instruction is given by recitations and laboratory work. These courses aim to teach, first, the general principles of the subject, its history and subdivisions, the structure, development and functions of cells, tissues and organs, general embryology, etc.; second, the outlining of the principal groups of the animal kingdom, studying their ecology and morphology. The laboratory work is confined to representatives of the chief groups of invertebrates. Typical forms are studied microscopically or dissected, and careful drawings with descriptive notes must accompany the laboratory work.

Two one-hour recitation periods and one two-hour laboratory period. First semester. One one-hour recitation period and two two-hour laboratory periods. Second semester. Elective. Biology 1 prerequisite.

3, 4. Comparative Anatomy of Vertebrates. Instruction in this course is given chiefly by laboratory exercises and lectures. Type representatives of the different classes of Vertebrata are very thoroughly dissected and studied in a comparative way, from the lower forms to the higher. All observations and records are kept by means of drawings and notes. The course

is intended especially for those who are particularly interested in biological science, or in the study of anatomy and medicine.

Three two-hour periods. Through the year. Elective. Biology 1, Zoology 1 and 2 prerequisites.

5, 6. Microscopic Technique, Histology, and Embryology. In these courses instruction is given by lectures, recitations and laboratory work. A study is made of the parts and use of the compound miscroscope, together with laboratory work upon the more essential methods of investigation. This involves practical work upon an invertebrate animal and the different tissues of vertebrates. The student experiments with the important methods of fixing, hardening, staining, dehydrating, clearing, imbedding, sectioning, and mounting objects for miscroscopic study.

Further, the student is introduced to the general subject of animal histology, by a careful study of the above preparations.

Three two-hour periods. Through the year. Elective. Biology 1, Zoology 1, 2, 3, and 4 prerequisites.

7. Genetics. The work in genetics is divided into two distinct courses:

7a. Heredity. In this course an attempt is made to summarize the general field of heredity by means of recitations, lectures, and discussions on library work. Believing that the subject of heredity is of great interest to, and should concern, everybody, an endeavor is made to take up the introductory work of this course in such a manner as to make it possible for the student without previous biological training to do the work.

Two hours. First semester. Elective for Seniors.

7b. Experimental Breeding. A laboratory course in which each student carries on several series of breeding experiments with some form that reproduces rapidly; drosophilia, mice, guinea pigs, and rabbits, are now being used.

One two-hour period. First semester. Elective. Zoology 1, 2, 3, and 4 prerequisites.

ORNITHOLOGY

1. Considerable attention is given to the study of Ornithology, apart from that of general zoölogy. In the first semester twelve lectures are given to the Freshman Class on the characteristics of birds—peculiarities of physical structure, flight, utility, song, beauty, intelligence, and migration; on the fossil, sub-fossil and extinct birds, and on classification. The last lecture is devoted to the winter birds of Maine. This lecture is preparatory to the work to be done by the class during the winter. Prizes are given to the members of the class that report the longest list of birds observed and carefully identified between the first of December and middle of March. Two prizes are also given to the class for the best winter sketches of not more than two thousand words each.

2. In the twelve lectures given in the spring all the species of the inland birds of Maine are described and the mounted specimens are shown to the class. Four times a week, from the last of March to the middle of June, the members of the Freshman class make early morning excursions of one hour and a half to the fields and woods in search of the birds. From 75 to 130 different species are recognized in one year by the careful observers.

IV. CHEMISTRY

Instruction in this department includes lectures. recitations and laboratory work and continues through the Freshman, Sophomore, Junior, and Senior years. The study begins with lectures and recitations on the non-metallic elements and their compounds. and in connection with these subjects the elements of Theoretical Chemistry are taught. and the students are given practice in the solution of a variety of chemical problems.

1. Inorganic Chemistry, the non-metals. This course is devoted to the elementary principles of the science. It deals with the nature and properties of a few common elements and the application of the fundamental laws and theories concerning

their combination. Recitations, experimental lectures, and laboratory work.

Two recitation periods and one two-hour laboratory period. First semester. Elective for Freshmen and Sophomores.

2. General and Experimental Chemistry. A continuation of course 1, dealing largely with the metallic elements and including a few of the more common carbon compounds. Recitations and lectures, with laboratory work.

Two recitation periods and one two-hour laboratory period. Second semester. Course 1 prerequisite.

3. Qualitative Analysis. An inductive course of basic and acid analysis. Laboratory work with lectures upon the methods and theories involved. It includes the separation of a large number of mixed compounds.

Three two-hour periods. First semester. Courses 1 and 2 prerequisites.

4. Organic Chemistry. An introduction to the study of the compounds of carbon, covering the methane and benzene series and their derivatives. This course deals with the preparation and chemical properties of the more important classes of organic compounds. Lectures and laboratory work.

Three two-hour periods. Second semester. Course 3 prerequisite.

5. Quantitative Analysis. Lectures on the theories and principles of quantitative analysis. Laboratory practice in gravimetric and volumetric methods; separation and estimation of metals, acids, and water of crystallization.

Three two-hour periods. First semester. Courses 3 and 4 prerequisites.

6. Practical and Sanitary Analysis. A continuation of course 5, with additional work on alloys, ores, mineral waters, and foods, with various complex analyses and their applications.

Three two-hour periods. Second semester. Course 5 prerequisite.

7. A Lecture and Reading Course. Historical and theoretical chemistry.

Two hours. First semester. Elective for Seniors.

8. Industrial Chemistry. This course deals with all the industrial chemical processes by lectures and collateral reading. The laboratory work includes technical analyses and, when practical, a study of general operations on small scales. Texts: Thorp's Outlines of Industrial Chemistry, and Frap's Principles of Dyeing.

Three lectures and laboratory periods. Through the year. Elective for Seniors that have taken or are taking courses 5 and 6.

9. Sanitary Chemistry. This is a lecture and reading course dealing with the primary necessities of life—air, food, water, and shelter,—and the subjects closely related to them.

One hour. Second semester. Elective for Seniors and Juniors.

[10. Physiological Chemistry. Lectures and laboratory work. The chemistry of digestion is taken up, also the analysis of urine, blood, saliva, and gastric juice. This is followed by the detection of poisons and the action of strong drugs on the system.

Two exercises. Second semester. Elective for Seniors. Not offered in 1918-1919.]

11. Organic Preparations. A laboratory course in the synthesis and analysis of typical aliphatic and aromatic compounds.

Elective for Seniors. Through the year. Course 4 prerequisite.

V. ECONOMICS AND SOCIOLOGY

Economics

[1. The Economic Environment. A course designed to acquaint the student with the economic phases of modern social life. The historical background of our economic system will be sketched in broad outline. Chief attention will be given to the study of the outstanding features of the present economic system.

Three hours. Second semester. Not offered in 1918-1919.]

Course 1 is open to all students. Courses 2 and 3 constitute a unit, and course 2 will not be counted for credit until 3 is completed. Other courses in economics are open to students that have completed courses 2 and 3.

*2. Principles of Economics. A systematic treatment of the cardinal principles of Economics. Theories of value and of distribution constitute the main subjects of study. This course emphasizes fundamental principles, but directs attention always to their bearing on current problems.

First semester. Three hours. Elective for Sophomores.

†3. Current Economic Problems. A comprehensive treatment of selected economic problems, such as population, money, credit and banking, trusts, railroads, the tariff, socialism, and the relation of the government to business.

Three hours. Second semester.

4. Business Finance. A study of money, banking, credit, and commercial crises, with special attention to their relation to business operations; also of the organization and financing of industrial corporations and of foreign trade, and of the functions of the stock exchange.

Three hours. First semester.

*5. Labor Problems. A study of the wage system; the relations of employer and employee; labor organizations, their policies and methods; agencies of industrial peace; profit sharing and labor co-partnership; unemployment, etc.

Three hours. Second semester.

[6. Public Finance. This course covers the entire field of government finance, but lays chief emphasis on the subject of taxation. Attention will be given to: public expenditures; revenues; legislation and administration, and public credit. The problems of war finance will be fully treated.

Three hours. Second semester. Not offered in 1918-1919.]

*This course is given the second term, 1918-1919.

†This course is given the second and third terms, 1918-1919.

**This course is given the third term, 1918-1919.

†7. Business Organization and Control. This course aims to give the student a clear understanding of the general features of modern business, the forms of organization, and business administration. The problem of the government's relation to business will be carefully considered.

Three hours. First semester.

Sociology

**1. Principles of Sociology. This course will include a study of (1) the origin and development of society; (2) existing society, the nature of association, the forces and laws which make social action possible, and social psychology; (3) the theories of progress considered with the view of working out definite principles to guide society in securing a higher degree of human well being.

Three hours. First semester. Elective for Juniors and Seniors.

*2. Applied Sociology. A discussion of certain social problems of modern life, with reference, on the one hand, to biologic and economic causes and, on the other hand, to policies and agencies directed toward the improvement of existing conditions.

Three hours. Second semester. Elective for Juniors and Seniors.

[3. Community Sociology. A study of modern community life, urban and rural, with the purpose of seeing the means and methods employed to secure a wholesome social life, to note defects and possible means of improving the existing organization.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1918-1919.]

*This course is given the third term, 1918-1919.
†This course is given the second term, 1918-1919.
**This course is given first and second terms, 1918-1919.

VI. EDUCATION.

The purpose of the following courses in Education is two-fold: first, to acquaint the student with the general nature, function, and importance of education as one of the means employed by society for its own development; second, to give the student a clear conception of the educative process psychologically considered, and to help him to develop from such knowledge the principles of school administration and class-room method. Theory is emphasized for the sake of breadth of view and perspective, and always with the understanding that the test of theory is correct and effective practice. Inasmuch as the courses are designed to meet the requirements of the various States for the work in this department, Philosophy 2 is a prerequisite or parallel to Education 1, 2, and 3.

1. History of Education. In this course attention is given to the development of educational thought and practice, as these were determined by social, political, economic, and religious conditions in various nations and periods. The essential features of the educational thought of the past are stressed as a basis for an intelligent knowledge of present-day theory and practice.

Three hours. First semester. Elective for Juniors.

[2. Principles and Problems of Secondary Education. This course deals with the meaning and scope of secondary education; the history of the secondary school; a comparison of the aims, organization, administration, and curricula of American and typical European secondary school systems.

Three hours. Second semester. Elective for Juniors. Not offered in 1918-1919.]

3. Educational Psychology. This course is designed to present the facts, so far as they have been scientifically determined, concerning the nature and development of the mind during childhood and youth, with special reference to the meaning of these facts to the teacher. It seeks to provide the student with sound criteria for estimating theories about the mental life, and it serves to introduce him to the present state of knowledge

regarding man's innate tendencies, attention, perception, memory, imitation, curiosity, the learning process, practice and fatigue, characteristics of adolescence, individual differences, psychological tests, etc.

Three hours. First semester. Elective for Seniors.

4. Educational Sociology. An introductory course in the study of the sociological foundations of education. The various factors in the educational situation are analyzed and related, both for their cultural value in giving insight into the school as an institution and for their practical worth in formulating fundamental principles. The following are among the topics considered: the social basis of the school, the individual and the social group, the five great agencies of civilization, the growth of democracy and its relation to education, social factors in school administration, the social origin and function of the curriculum, education and vocations, education and avocations, the essentials of the socialized school.

Three hours. Second semester. Elective for Juniors and Seniors. Education 1 or 3 prerequisite.

5. Educational Administration. A course designed especially for students desiring to fit themselves for work as superintendents or supervisors. Such topics as the following are investigated and discussed: the relation of the national government to education; forms of educational control, state, municipal, and private; the school board and its functions; business administration, with special reference to school sites and buildings, construction, heating, ventilation, lighting, etc.; the grading of pupils, promotions, examinations, records, etc.; the supervision of instruction; the training of teachers in service; compulsory education and child labor; special provision for exceptional types of pupils.

Three hours. Second semester. Elective for Seniors that have completed or are completing Education 4 and 6 or their equivalent.

6. School Management and Methods of Teaching. This course is made up of three parts. The aim of the first part is to

give the student, in the light of accepted principles, a knowledge of the technique of school management and organization that will enable him to secure the smooth and efficient working of his school. The following are among the topics discussed: system and organization, the problem of attention, routine and habit, the study hour, school incentives, offenses and penalties, and testing results.

The second part of the course involves both general and special methodology. This work is introduced by a series of discussions on the application of specific psychological principles. Instruction in special methodology is provided through the correlation of the work in the Department of Education with unit courses given in each of the following departments: English, French, German, History, Latin, Mathematics, Public Speaking, and Physics.

The third part of the course consists in the systematic observation of school management and class instruction in the high schools of Lewiston, Auburn, and neighboring towns. Written reports of these visits and observations are required periodically from each student in the course.

Three hours. Second semester. Elective for Seniors. Education 1 and 3 prerequisites.

VII. ENGLISH

1. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of paragraphing and exposition.

Three hours. First semester. Required of Freshmen.

2. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of description and narration.

Three hours. Second semester. Required of Freshmen.

When a student completes courses 1 and 2, he receives a provisional pass mark. If at any time later in his college course he is found to be deficient in his English, he is required to do additional work until such deficiencies are corrected.

3. Argumentation. A systematic study of the principles and practice of argumentation. Attention to the analysis of propositions, evidence, construction of the brief and the argument, the rebuttal, and the delivery of the argument. Class debates and weekly themes.

Three hours. First semester. Required of Sophomores.

4a. Literature and Composition. A study of the drama and the short-story. Review of the drama from Shakespeare to Galsworthy. Consideration of Ibsen, Shaw, Synge, Maeterlinck, Wilde, and other contemporaries. The history and technique of the English and American short-story. Extensive reading and discussion of Kipling, O. Henry, Poe, Hawthorne, London, Maupassant, Stevenson, and others. Lectures, conferences, reports and themes.

Three hours. Second semester. Elective for Sophomores. This course alternates with English 4b.

4b. Literature and Composition. The study of exposition, narration and description. Criticism of representative essays in modern thought. Analysis and practice of the familiar essay. Required readings in Arnold, Newman, Huxley, Stevenson, Lamb, Pater, and Harrison. Technique of the novel. Review of Fielding, Jane Austen, Thackeray, and Meredith. Discussion of the material in the best current magazines. This course is intended to supplement English 1 and 2.

Three hours. Second semester. Elective for Sophomores. This course alternates with English 4a.

5. Advanced Argumentation. A review of the theory of argumentation. Inductive and deductive argument, fallacies, refutation. Preparation of briefs. Two periods each week given to debates of current economic, social, and political problems. Extemporaneous discussions. Weekly review of current events. Study of parliamentary law.

Three hours. Second semester. Elective for Sophomores.

6. American Literature. A study of the historical development of American Literature with special reference to contem-

porary movements in society, politics, and religion. Lectures, discussions, and themes.

Three hours. Second semester. Elective for Sophomores.

7a. History of English Literature to the end of the Elizabethan Age.

b. The Drama. Lectures on the origin and development of of the drama and its history from Aeschylus to Shakespeare. Critical study of selected plays of Shakespeare, with required reading of other works of the Elizabethan Age.

Four hours. First semester. Required of Juniors.

8. Literature of the Seventeenth and Eighteenth Centuries. Critical study of selected works of prose and poetry, with lectures on the literary history and biography of the period. Required reading of other works, with research in the Library, reports, abstracts, and discussion in class.

Four hours. Second semester. Elective for Juniors.

9. Lectures on Literary Criticism, with special reference to fiction. Reading of selected works of the Nineteenth Century. Investigation of topics in literary history and criticism. Current literature.

Four hours. First semester. Elective for Seniors.

10. English Literature of the Nineteenth Century. Special study of Tennyson and Browning.

Four hours. Second semester. Elective for Seniors.

11. Teacher's Course. Designed for those who expect to teach English in secondary schools.

Extra, one hour. Second semester.

Sophomore Prize Debates

Preliminary Debates—All Sophomores are required to take part in these debates. A prize for excellence in debate is awarded in each division of the class.

First semester.

CHAMPION PRIZE DEBATE—The six speakers presenting the best arguments in the preliminary debates participate in the Champion Prize Debate; all other Sophomores present essays on a prescribed subject, in competition for a prize.

Second semester.

REQUIRED COMPOSITION WORK OF JUNIOR AND SENIOR YEARS

This work, in continuation of that done in courses 1 to 4, is required of all members of the Junior and Senior classes, whether they elect English or not. An essay is presented in each semester, as follows:

12[1]. THESES on subjects requiring extended investigation.

Junior year, second semester.

13[1]. ORIGINAL DECLAMATIONS ON ASSIGNED SUBJECTS. Each member of the Class reads his declamation before a committee, by whom the best twelve are selected for delivery in a prize contest on the evening before Ivy Day.

Junior year, second semester.

14[1]. ESSAYS in criticism of some classic in English or American fiction.

Senior year, first semester.

15[1]. ORIGINAL PARTS FOR THE SENIOR PRIZE SPEAKING. Each student reads his part before a committee, who choose twelve to speak in the Prize Contest.

Senior year, second semester.

16[1]. COMMENCEMENT PARTS. Every member of the class writes a part, but the Commencement speakers are chosen on the basis of scholarship.

Senior year, second semester.

VIII. FINE ARTS

A course designed to give the student the basis for an intelligent appreciation of the fine arts, Architecture, Sculpture, Painting and Music. Literature, since it already occupies so large a place in the curriculum, is introduced only for the sake of com-

parison and illustration. Each art is studied (1) for the sake of a historical background, and (2) in order to get acquainted with its elements and principles. Critical judgment and taste are sought by a constant examination of representative work.

Three hours. First semester. Elective for Juniors and Seniors.

IX. FORESTRY.

The completion of the following courses together with specified courses in other departments will entitle the student to the degree of Bachelor of Science in Forestry (B.S. in F.). Any one or all of Courses 1, 2, 3, and 4 may be of interest and value to students not intending to specialize in forestry. The character of the work in Courses 1 and 4 makes it practicable for women students to elect these courses.

1. An Introduction to Forestry. A study of the economic and political basis of forestry dealing with forestry as a part of conservation movement. The course aims to show the relation of forests to human welfare, the need for an economical use of forest resources, and the means of conserving these resources.

One hour. Second semester. Required of Freshmen who are candidates for the degree of B.S. in F.

2, 3. Silviculture. A study of the principles of growing the forest crop, with particular reference to the forest problems of Maine and neighboring regions. The course involves much field work in the Bates Forest Nursery and on the Bates Forest.

Three hours. Through the year. Required of Sophomores who are candidates for the degree of B.S. in F.

4. Dendrology and Silvics. A study of the common trees and shrubs of Maine and surrounding regions; their classification, distribution, and habits of growth. Thorough practice in identification.

Three hours. First semester. Required of Juniors who are candidates for the degree of B.S. in F.

5. Dendrology and Silvics. A continuation of Course 4, extending the study of common trees and shrubs to cover the whole United States.

Three hours. Second semester. Required of Juniors who are candidates for the degree of B.S. in F.

6. Forest Measurements. A course in the methods of determining the volume of logs and trees, the growth-rate of trees and forests, and the contents of stands of timber.

Three hours. First semester. Required of Juniors who are candidates for the degree of B.S. in F.

7. Forest Utilization. A course in lumbering, milling, and marketing.

Three hours. Second semester. Required of Juniors who are candidates for the degree of B.S. in F.

8. Forest Utilization. A continuation of Course 7.

Three hours. First semester. Required of Seniors who are candidates for the degree of B.S. in F.

9. Wood Technology. A study of the physical properties of wood, including the identification of commercial species by microscopic examination.

Three hours. Second semester. Required of Seniors who are candidates for the degree of B.S. in F.

10, 11. Forest Protection. A study of the methods of combating fire, fungi, and insects, when they threaten forest growth.

Three hours. Through the year. Required of Seniors who are candidates for the degree of B.S. in F.

12. Forest Policy. A study of the attitude toward forestry and forest conservation on the part of the states and of the nation, as this attitude is and as it should be.

Three hours. First semester. Required of Seniors who are candidates for the degree of B.S. in F.

13. Forest Management. A course in forest finance, and in the formulation of working plans to regulate the yield of forests.

Three hours. Second semester. Required of Seniors who are candidates for the degree of B.S. in F.

14, 15. Advanced Silviculture. Detailed treatment of problems in growing and tending the forest crop, with attention to the methods of scientific investigation as applied to forestry.

Three hours. Through the year. Required of Seniors who are candidates for the degree of B.S. in F.

X. FRENCH

The purpose of instruction in French is two-fold:

(1) To secure a thorough and exact appreciation of the language, literature and life of a nation which more than any other in Europe has made large and lasting contributions to modern civilization in art, intellectual culture and literary attainment; and

(2) To afford a practical knowledge of the language indispensable almost, to all students pursuing scientific, political, social and commercial subjects.

French is elective except for Freshmen that enter College without any French. Students are, however, urgently advised to take at least one year of French in college during their course, and those who take Beginners' French, especially candidates for the B.S. degree, should arrange to take French for at least two years. A good reading knowledge of French, considered essential for the specialist in any profession, cannot be well attained in less time.

Students wishing to major in French should ordinarily select courses 5-6, 9-10 and one of the Senior courses, while those preparing to teach French should take at least six semester hours in French each year. The New England Modern Language Association recommends that at least one-third or one-fourth of the total number of hours required for a college degree should be considered a minimum for the preparation of the prospective teacher in his chosen language specialty, and only those, therefore, should seek recommendation to teaching positions in French who have fulfilled these minimum requirements.

The wide interest, large activity and unquestioned success obtained by France in the pursuit of scientific investigation,

emphasizes the necessity of having access to its results. Course 17-18 offers to students in chemistry and biology and related sciences, in mathematics, physics, engineering and medicine, an opportunity to secure a practical knowledge of the scientific French expression, valuable to all students who look forward to post-graduate work in technical and other institutions.

1, 2. Beginners' French. Pronunciation, Grammar, Reading, Composition.

Three hours. Through the year. Required of Freshmen that do not present French for admission.

3, 4. Intermediate French. A course in general and historical prose. Grammar and Composition.

Three hours. Through the year. Elective for Freshmen and Sophomores that present Elementary French for admission.

5, 6. Advanced French. Reading in authors belonging to special periods of French Literature.

Three hours. Through the year. Elective for students that have passed course 4 or that have passed the examination in Advanced French for admission.

7, 8. A Teacher's Course in Conversation and Advanced French Composition. The course furnishes practice in speaking and writing French. It consists of dictations, composition, readings and talks in French and aims to enable the student to understand readily French when spoken and to give him thorough training in the use of the idioms of the language. Weekly lectures are also given, together with discussions on the practice and methods of teaching, and opportunities for actual teaching are provided.

Three hours. Through the year. Elective for students that have passed in course 6 and for others with the consent of the instructor.

9, 10. General Survey of French Literature. Lectures, reading, themes.

Three hours. Through the year. Elective. Course 6 prerequisite.

11, 12. French Literature of the Sixteenth and Seventeenth Centuries. Lectures, themes and collateral reading.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

13, 14. French Literature in the Eighteenth Century. Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

15, 16. French Literature in the Nineteenth Century. Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

17, 18. Scientific French. A course in scientific French is offered, intended to furnish facility in reading and understanding writings of a scientific character. Daniel's Scientific French Reader will be used, followed by texts on specific subjects in special departments, and the reading and discussion of articles from scientific journals.

One hour. Through the year. Elective. Course 6 prerequisite. By special arrangement this course may also be taken in conjunction with courses 7 and 8 to count for three hours.

XI. GEOLOGY

1. Physical Geology. A study of the broad facts and principles of the science: the work of the atmosphere; of rain and running water; of lakes and the ocean; of ice as a geological agent; of underground water; of volcanoes and earthquakes; of the general structure of the Earth and the chief classes of rocks; the origin and history of mountains; and the leading facts about ore deposits.

Three periods of one or two hours each. First semester. Elective for Juniors and Seniors.

2. Historical Geology. A study of the origin of the Earth and its chief relations to the heavenly bodies; of its development throughout the eras of geological time; and the rise and changes of the principal types of animal and plant life. Special attention is given to the history of the North American Continent and its life; to the problem of the age of the Earth, and man's place in nature.

Three periods of one or two hours each. Second semester. Elective for Juniors and Seniors.

3, 4. Geography. A survey of the Earth interperted geologically and related to human activities.

Three hours. Through the year. Elective. Geology 1 and 2 prerequisites.

XII. GERMAN

German is required for one year of students that do not present two units of German for entrance to college; it is elective during the remainder of the course, three hours per week.

The aim of the required work is the acquisition of a thorough knowledge of the fundamentals of German grammar and the ability to translate into good English all texts read. The aim of the elective work is an introduction to the masterpieces of the German drama of the classical period, a general knowledge of the history of German literature, and a comprehensive view of the tendencies in German literature since Goethe's death.

Careful drill in pronunciation and the intelligent reading of the German text are insisted upon. Some practice in conversation is given, and German is used in the class-room as far as is deemed advisable by the instructor. In the elective courses a large amount of collateral reading outside the class-room is expected. Advanced grammar and composition are not lost sight of throughout the course, although no specialty is made of these subjects after the first year.

1, 2. Elementary German. Grammar, composition, pronunciation, dictation, reading of graded selections of German prose and poetry.

Three hours. Through the year. Elective for Freshmen that present French for admission; required of Sophomores that have not taken the equivalent.

3, 4. Intermediate German. Modern prose, narrative and dramatic. Selected works from such authors as Baumbach, Freytag, Grillparzer, Heyse, Keller, Riehl, Storm, and Wildenbruch. Review of the grammar of the first year, and study of the syntax based on the texts read. Prose composition.

The purpose of German 3 and 4 is to give the student facility in reading standard modern narrative prose.

Three hours. Through the year. Elective for Sophomores and Juniors. German 1 and 2 prerequisites.

3a, 4a. Review of Grammar, Prose Composition, Simple Conversation, Reading of Selected Works from Modern Authors. Intended primarily for Freshmen who present advanced German for entrance to college.

Three hours. Through the year.

5, 6. Introduction to German Literature of the Eighteenth Century. Selected dramas from Lessing, Goethe, and Schiller. The purpose of German 5 and 6 is an introduction to the latest classical period in the history of German Literature. The work of the first semester deals mainly with Lessing, and with the Storm and Stress period as exemplified in the early works of Goethe and Schiller; during the second semester emphasis will be laid on the later works of Goethe and Schiller as expressive of the classical sympathies of the two poets.

German 5 and 6 can be pursued to best advantage by Juniors that have had German 3 and 4. Juniors that have had only German 1 and 2, and that do not plan to elect German 7 and 8, are recommended to elect German 3 and 4.

Three hours. Through the year. Elective for Juniors.

7. Goethe's Faust. Part I and selected portions of Part II. In addition to a critical study of the text, special attention is given to the genesis and development of the Faust legend, and to the life of Goethe as reflected in Faust. Collateral reading in connection with the Faust theme.

Three hours. First semester. Elective for Seniors.

8. Introduction to German Literature of the Nineteenth Century. A rapid survey of the most important movements of the nineteenth century, with illustrative readings from various representative writers. The emphasis for the current year will be placed on the works of Hauptmann and Sudermann.

Three hours. Second semester. Elective for Seniors.

9, 10. Outline History of German Literature. German 9 and 10 are intended primarily for Juniors that presented advanced French and German for admission, and have taken German 5 and 6. The work in the history of the literature, one hour a week, will be supplemented by an intensive study of some literary movement or author of the nineteenth century. The subjects for 1918-1919 will be: first semester, Die Dorfgeschichte; second semester, the Life and Works of Hebbel.

Three hours. Through the year. Elective for Juniors after consultation with the instructor.

11, 12. Scientific German. These courses are intended for students that wish to acquire a reading knowledge of scientific German. During the first semester a general science reader, such as Meisnest's Introduction to Scientific German, Wait's German Science Reader, or Wallentin's Grundzüge der Naturlehre is used. The work of the second semester depends largely upon the demands of the class. If desired, a monograph dealing with some particular phase of biology, chemistry, or physics is read.

One hour. Through the year. Elective for Juniors and Seniors.

13, 14. Teachers' Course in German. German 13 and 14 are presented to students wishing to teach German. The work includes a general review of German grammar, the essentials of phonetics, practice in German conversation and a discussion of the problems, aims, text-books, and theories of instruction with respect to the German language and literature.

One hour. Through the year. Elective for Seniors.

XIII. GREEK

The courses are so arranged as to give the student a first-hand acquaintance with nearly all the divisions of the wide and varied field of Classical Greek Literature. The foremost purpose is to lead to an appreciation of the individual masterpieces read. At the same time the student is encouraged to become acquainted with the entire groups of which these separate works are specimens, and with the history, civilization and art of the periods to which they belong. Lectures and class and individual assignments of library work serve to enlarge the outlook gained from study of a single text. With the same end in view as many additional works as possible are covered through sight reading, and the reading and discussion of translations. While drill in grammar and syntax is not made the main end, accuracy and precision in these subjects are insisted upon throughout the course. Another constant purpose is to prepare intelligent and enthusiastic teachers of the Classics.

Students entering with complete or partial preparation in Greek will be admitted to course 5 or 7, or to course 3, according to the extent of their preparation. Special attention is called to courses 11 and 12, which require no knowledge of the Greek language, but are intended to bring the student, through English versions, into acquaintance with the whole range of Greek drama.

1, 2. First Year Greek. Grammar and composition, and reading of the Fourth Book of Xenophon's Anabasis.

Three hours. Through the year. Elective for Freshmen.

2a. Greek Literature. History and study of representative works and illustrative passages in English versions. Text-book, lectures, class-room study and library assignments. No knowledge of Greek is necessary.

Three hours. Second semester. Elective for Freshmen.

3, 4. Second Year Greek. Selections from Herodotus and Homer; the Alcestis of Euripides. Review of grammar and syntax.

Three hours. Through the year. Elective for Sophomores.

5. Plato, Apology and Crito, and selections from the Republic.

Three hours. First semester. Elective for Juniors and Seniors.

[6. Epic Poetry. Reading of selected books of the Iliad and of intervening passages in English versions; survey of the Odyssey; brief study of the epics of other literatures.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1918-1919.]

[7. The Greek Tragic Poets. One play each of Aeschylus, Sophocles and Euripides will be read in the original, and most of the other plays studied in English versions.

Three hours. First semester. Elective for Juniors. Not offered in 1918-1919.]

8. Greek Lyric Poetry.

Three hours. Second semester. Elective for Juniors and Seniors.

9, 10. New Testament Greek. The first semester the Gospel of John and the Book of Acts will be read. In the second semester the work will alternate, one year comprising the Gospel of Luke and the non-Pauline epistles, the succeeding year selected epistles of Paul. This course is very strongly recommended for all students preparing for the ministry, Christian Association or kindred work. It is open to all who have completed Second Year Greek, and to those who have completed First Year Greek, if judged proficient by the instructor.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

11, 12. The Greek Drama in English Versions. No knowledge of Greek is required for these courses. All the plays of Aeschylus and Sophocles will be read, and selected plays of Euripides, Aristophanes and Menander. Some attention will be given to the history of the development of the drama, but the main purpose will be the study of the plays as works of literature.

Three hours. Through the year. Elective for Juniors and Seniors.

XIV. HISTORY AND GOVERNMENT

History

1. Mediæval Europe. A survey of the Roman Empire, the invasions of the German tribes, and a more detailed study of the development of France, Germany, and Italy throughout the Mediæval period. Special attention is given to such topics as Feudalism, the Crusades, the Church, and the Renaissance.

Three hours. First semester. Elective for Sophomores.

2. The Modern Age. The development of the leading Continental European nations up to 1789. A detailed study of the political and constitutional development of England is made. Course 1 must precede course 2.

Three hours. Second semester. Elective for Sophomores.

Courses 1 and 2 are considered fundamental to all later work in history and are also valuable in preparation for many courses in other departments.

3. American History to 1829. A study of the establishment of the various European Colonies in America, their expansion, their political, social, and economic development, the struggle between the French and the English for the possession of North America, the causes and progress of the Revolutionary War, the formation of the Constitution, and the rise of political parties.

Three hours. First semester. Elective for Juniors and Seniors.

4. American History, 1829 to the Present Time. Attention is centered upon the growth of nationality, upon the political phase of the controversy over slavery, upon the Civil War and Reconstruction, and upon the more important features of recent American History. Course 3 must precede course 4.

Three hours. Second semester. Elective for Juniors and Seniors.

5. History of Europe from 1789 to 1870. Continuation of History 1, 2, French Revolution; the Napoleonic Wars; reconstruction of Europe; the revolutions of 1848; unification of Italy and Germany.

Three hours. First semester. Elective for Juniors and Seniors.

6. History of Europe Since 1870. Expansion of Europe; social and industrial progress; international rivalries; causes of the Great War; survey of governments of England, France and Germany.

Three hours. Second semester. Elective for Juniors and Seniors.

7. Greek and Roman Statesmanship. Greek and Roman History, studied with special reference to the problems encountered by statesmen in foreign relations and domestic politics.

Three hours. First semester. Elective for Freshmen. Professor Chase.

8. The Teaching of History. A study of the problems of secondary instruction with particular reference to history. Lectures on the place of history, the selection and use of text-books and other aids to historical instruction. Lesson plans and the results of observation of actual teaching will be discussed. The teaching of civics will receive some attention.

One hour. Second semeser. Elective for students that have had a minor in history.

Government

1. American Federal Government and Party System. A study of the American Government, its executive, legislative and judicial departments, together with a study of the relation of the states to the nation and the American Party System, including a sketch of parties, party leaders and of presidential elections, with a study of party machinery and current party problems. Comparisons will be made with two or three European governments, particularly with reference to England.

Three hours. First semester. Elective for Juniors and Seniors.

2. State and Municipal Government in the United States. During the first part of the semester the state governments will be considered with attention to the problems which they present in the light of recent social and industrial developments. Most of the time will be given to a study of municipal

government. This study will include: the history and development of municipal government in America; the organs of city government and their relation to each other; the relation of the municipality to public service corporations, and the problems of municipal ownership.

Three hours. Second semester. Elective for Juniors and Seniors.

XV. HOUSEHOLD ECONOMY

The purpose of this department is to deepen interest in Woman's Work by directing those who are becoming intellectual women to their special contribution to civilization in the home problems of the nation, the city, the town, the institution, or the private home. Its trend is cultural rather than vocational, as best fitted to the Academic College. The work covers four semesters.

BACTERIOLOGY AND SANITATION

These courses aim at making the student a more effective member of the home and of the community through an appreciative acquaintance with approved modern methods of household and municipal sanitary administration.

1. Bacteriology deals with the place of the microscopic fungi in nature, and with the structure, life history, and vital activities of yeasts, molds, and various types of bacteria. This study makes possible an understanding of the principles that govern growth and reproduction.

One hour. First semester. Required of Sophomores.

2. Sanitation applies these principles to the problems of personal, household, and municipal cleanliness; the construction and care of storage facilities; care, inspection, and sale of food supplies; construction and care of sanitary appliances; drainage; the disposal of wastes; disease, infection, immunity; the sick room; care of the public health, etc. Illustrations are taken from examples of progressive municipal sanitary practice. The place of bacteria in the industries, and their relation to the fertility of the soil are also briefly discussed. Lectures, papers, discussions.

One hour. Second semester. Required of Sophomores.

Household Management

1, 2. In this course is discussed the wise division of the income for different needs; for food, housing, educational opportunities, amusements, social betterment, together with questions of marketing, selection of meats, etc., for greatest economy and nutrition, of diet for sick and well, of choice of architecture for home, location, lighting ventilation, of furnishings for utility and beauty, and economy and suitability in clothes.

One hour. Through the year. Elective for Juniors and Seniors.

XVI. LATIN

Latin is offered throughout the four years three hours a week, except in Latin A, Latin B, and Latin 4a. The courses for Juniors and Seniors are given in alternate years, and are open to both classes.

The courses of study in this department have been arranged with the belief that an acquaintance with Latin literature is an essential of real culture. An effort is made to cultivate the ability to read Latin easily and at sight to secure grace in translation, an appreciation of the literary worth of the author, and a clear mental picture of the life and times in which each wrote.

Students intending to devote themselves to the teaching of Latin are advised to pursue the study of Latin for at least three years, and of Greek for at least two.

Latin A. A thorough review of the fundamental principles of Latin Grammar, and the study of selections from Vergil's Aeneid.

Four hours. Through the year. Required of Freshmen that offer only three years of Latin for admission, and are candidates for the degree of Bachelor of Arts.

Latin B. Selected orations of Cicero, selections from Vergil's Aeneid, elementary Latin Composition.

Four hours. Through the year. Required of Freshmen that, entering as candidates for the degree of Bachelor of Science, offer only two years of Latin, but desire to qualify for the degree of Bachelor of Arts.

1. Cicero: Selected Letters.

Three hours. First semester. Required of Freshmen that offer Advanced Latin for admission, and are candidates for the degree of Bachelor of Arts.

2. Horace: Odes, Epodes, and *Carmen Saeculare.*

Three hours. Second semester. Required of Freshmen that have taken Latin 1 and are candidates for the degree of Bachelor of Arts.

3. Cicero: *De Senectute, De Amicitia,* and Tusculan Disputations, Book I.

Three hours. First semester. Elective for Sophomores.

4. Latin Comedy: Two plays of Plautus, and one of Terence.

Three hours. Second semester. Elective for Sophomores.

4a. Latin Composition. This course is designed to meet the needs of students that expect to teach Latin.

One hour. Through the year. Elective for Sophomores, Juniors, and Seniors.

[5. Juvenal: Selected Satires. Martial: Selected Epigrams.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course. Not offered in 1918-1919.]

[6. Tacitus: Selections.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least two elective courses. Not offered in 1918-1919.]

7. Pliny the Younger: Selected Letters. Tibullus, Propertius, and Ovid: Selected Elegies.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course.

8. Horace: Selected Satires and Epistles.

Three hours. Second semester. Elective for Juniors and Seniors that have completed at least two elective courses.

XVII. MATHEMATICS

1, Algebra and Solid Geometry. Ratio and proportion, variation, series, binomial theorem, undetermined coefficients, logarithms, permutations and combinations, continued fractions, theory of equation, graphic algebra. Wells' College Algebra. This portion of the work closes before the holiday vacation, and the remainder of the semester is given to solid geometry, which includes polyhedral angles, the various solids bounded by planes, the cone, the cylinder, and the sphere. This course includes a large amount of original work in demonstration and computation. Phillips and Strong's Elements of Geometry.

Three hours. First semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

2. Solid Geometry and Trigonometry. Plane Trigonometry with problems and applications. Phillips and Strong's Trigonometry.

Three hours. Second semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

3. Spherical Trigonometry, Surveying and Plane Analytic Geometry. This is a continuation of course 2, with problems and applications to astronomy. This portion of the work closes the fourth week and the remainder of the time before the holiday recess is given to surveying which includes the theory of chain, compass, and transit surveying, leveling, the adjustment and use of instruments, computation of area, and scale drawings. Raymond's Plane Surveying. The remainder of the term is given to Plane Analytic Geometry. A study of the point and line. Tanner and Allen's Analytic Geometry.

Three hours. First semester. Elective for Sophomores.

4. Analytic Geometry. A continuation of course 3. The circle and transformation of co-ordinates, conic sections, equation of second degree, elements of solid analytic geometry.

Three hours. Second semester. Elective. Course 3 prerequisite.

5. Differential Calculus. Differentiation of algebraic and transcendental functions with application to problems, change of the variables in derivatives, maxima and minima of functions of two or more independent variables, curve tracing, envelopes. Osborne's Differential and Integral Calculus.

Three hours. First semester. Elective. Courses 3 and 4 prerequisites.

6. Integral Calculus. Various methods of integration with applications.

Three hours. Second semester. Elective. Courses 3, 4, and 5 prerequisites.

7. Integral Calculus Completed and Differential Equations. Integration as a summation, successive integration, surface, volume and moment of inertia of any solid, center of gravity, pressure of fluids, force of attraction. This portion of the work closes with the tenth week of the first semester and the remainder of the semester is given to Differential Equations (Elementary course). Solution of ordinary and partial differential equations with applications to geometry and physics. Campbell's Differential Equations.

Three hours. First semester. Elective. Courses 3 to 6 prerequisites.

8a. Differential Equations Completed. This is a continuation of course 7 and closes before the spring vacation.

8b. Determinants and Theory of Equations. This course is devoted to determinants, complex quantities, properties of polynomials, general properties of equations, symmetric functions, limits and separations of the roots of an equation, elimination and solution of numerical equations. Barton's Theory of Equations.

Three hours. Second semester. Elective for Seniors.

XVIII. PHILOSOPHY

1. Christian Ethics. The aim of this course is to derive from the life and teachings of Christ the ideals and principles that are permanently applicable to human conduct, and to show their relations to the problems of individual character and of social progress presented in the life of today. The Bible and Stalker's "Life of Christ" are used as text-books. There is a constant endeavor to make the work practical. To this end, topics requiring special reading are assigned, essays and discussions are prescribed, and occasional talks and lectures are given.

One hour. First semester. Required of Freshmen.

2. Psychology. A general introductory course in the elements of mental activity. The neurological basis of conscious processes is examined, and data thus gained are applied to the explanation of human behavior. The biological point of view is kept constantly in mind.

This course serves as a foundation for the work in Education.

Three hours. The course is given each semester. Elective for Sophomores and Juniors.

3. Advanced Psychology. A more intensive and extended study of psychological principles and of their application to the practical problems of individual and social development.

Three hours. First semester. Elective for students that have had course 2.

[4. Psychology of the Moral and Religious Life. The course is designed to acquaint the student with the psychological principles upon which character and personality are founded and with the facts and forces that underlie religious experience.

Three hours. Second semester. Elective for students that have had course 2. Not offered in 1918-1919.]

5. History of Philosophy. The aim of the course is to familiarize the student with the fundamental problems of philos-

ophy as they have developed historically and to give him some exercise in critical and constructive thinking.

Three hours. First semester. Elective for Juniors and Seniors.

6. The Philosophy of Evolution. An historical and critical examination of the evolutionary hypothesis to determine its bearing on the problems of Metaphysics, Ethics, and Religion, and its authority in these fields.

Three hours. Second semester. Elective for Juniors and Seniors.

7. Logic. A study of the principles of thought both deductive and inductive, followed by extended exercises in a practical evaluation of arguments.

Three hours. First semester. Elective for Juniors and Seniors.

8. Ethics. A course in the history, theories, and applications of morality. After a brief summary of the course of moral development, an examination of various ethical theories is made with a view to finding a satisfactory basis for individual and social morality. Stress is then laid upon the application of ethical principles to the problems and conditions of life today.

Three hours. Second semester. Elective for Juniors and Seniors.

XIX. PHYSICS

1. Elementary Mechanics.

Three hours per week. Second semester. Required of Freshmen that are candidates for the degree of B.S.

2, 3. General Physics. A continuation of course 1.

Two recitation periods and one two-hour laboratory period per week. Through the year. Required of Sophomores that are candidates for the degree of B.S.

Courses 1, 2, 3 form the basis for advanced work in physics. They treat of the fundamental principles of the entire subject. mechanics of solids, liquids, and gases, heat, magnetism and elec-

tricity, sound, and light. While emphasis is placed on the mathematical treatment of the subjects, considerable attention is given to the descriptive and historical aspects of physics.

The laboratory work is purely quantitative and is designed to illustrate the principles studied in the class-room, to train the student's power of observation, and to give him some technical knowledge of physical measurements.

4, 5. General Physics.

Two recitation periods and one two-hour laboratory period per week. Through the year. Elective for Sophomores that are candidates for the degree of A.B.

Courses 4, 5 are designed to meet the needs of students that intend to teach physics in a High School. The cultural rather than the technical side of the subject will be emphasized. A representative high school text will be discussed in the class-room, while the laboratory work will include many exepriments suitable for use in secondary schools.

6, 7. Laboratory Physics.

Three two-hour periods. Through the year. Elective for Juniors. Physics 4, 5 and Mathematics 3, 4 prerequisites.

Courses 6, 7 are designed to give the student a good working knowledge of practical physics. The problems studied include the calibration and standardization of various measuring instruments; the determination of specific heat; experiments on the diffraction and interference of light, spectrum analysis; measurements of currents, electromotive forces, capacities, and magnetic constants. The apparatus available for these courses is of high grade and includes standards of length, resistance, capacity, etc., certified by the Physikalisch-Technische Reichsanstalt.

8, 9. Laboratory Physics (advanced course).

Three three-hour periods per week. Through the year. Elective for Seniors. Physics 6, 7 and Mathematics 5, 6 prerequisites.

This course comprises electrical measurements of precision: including high and low resistance, temperature coefficients of

resistance, absolute capacity determinations, current and potential measurements with the potentiometer and standard cells, magnetic properties of iron, etc. The student is expected to arrange the necessary apparatus and to construct in the shop such subsidiary apparatus as may be needed. He is required to make use of the reference library in studying the various methods employed in practical and absolute electrical measurements.

10. Dynamos and Motors.

Three hours per week. First semester. Elective for Seniors. Physics 6, 7 and Mathematics 5, 6 prerequisites.

A study of the theory, construction, and operation of direct and alternating current apparatus: generators, motors, synchronous converters, transformers, etc. The solution and discussion of a large number of practical problems forms an important part of the work. Experimental illustration in the laboratory is correlated with the class-room work.

11. Theory of Electricity.

Three hours per week. Second semester. Elective for Seniors that have completed Physics 10 and Methematics 5, 6.

A mathematical treatment of the subject, including terrestrial magnetism, compensation of ship's compass, electrostatics, conduction through gases, etc.

MECHANICAL DRAWING

The courses in drawing are designed to meet the requirements of students intending to study civil, mechanical, or electrical engineering. The work is made as practical as possible.

1, 2. Mechanical Drawing. The use of instruments. Geometrical problems and projection. Simple mechanical details. Introductory to all courses in drawing.

Three periods per week. Through the year. Elective for Freshmen.

3, 4. Machine Drawing. Elementary course.

Three periods per week. Through the year. Elective for Sophomores.

5. Topographical Drawing.

Three periods per week. Second semester. Elective for Sophomores.

XX. PUBLIC SPEAKING

The required work in Oratory of the Freshman and Sophomore years is largely preparatory in its nature, and deals with the technical side of Public Speaking. The student is shown the relation of the mind to Vocal and Pantomimic Expression, and is taught to think more clearly and definitely. Concentration, sequence of ideas and conception are studied the Freshman year, and the logical action of the mind, as shown by the various methods of emphasis, is discussed and exemplified the Sophomore year. Vocal and Pantomimic training is studied and attention is called to faults of tone and bearing, and to mannerisms and defects in speech.

1. The Study and Development of Elemental Thought Processes as Related to Vocal Expression. Attention. Sequence of ideas. Conception.

Vocal training. Correct method of breathing. Openness of tone passage. Preparatory actions for speech. Ease, freedom, and openness in tone production. The study of articulation, enunciation, and pronunciation.

Prize Speaking, in which every member of the Freshman Class is prepared by special instruction and drill, and in which the principles studied in class are applied to public sepaking,

One hour. Second semester. Required of Freshmen.

2. The Development of the Logical Instinct in Speaking. The study of Emphasis and its various forms of expression. Inflection. Change of Pitch. Pause. Antithesis. Subordination. Movement. Force.

Vocal Training, to secure control of breath and elasticity of tone.

One hour. First semester. Required of Sophomores.

Prize Speaking, in which every member of the Sophomore Class is prepared by special instruction and drill.

One hour. First semester. Required of Sophomores.

3. Public Speaking. Beginning with the simplest forms of extempore speaking, each student is required to describe before the class something from his own experience, as a visit to some large city, a noted building, a work of art, a journey taken, until some freedom in speaking before the class has been gained, and then the parts of the speech (the introduction, statement, body and conclusion) are studied and more finished speeches are made by the students. These speeches are criticised for form and manner of delivery, by the students and instructor.

Special training for students competing for the Junior Prize Speaking.

One hour. Second semester. Elective for Sophomores.

4. Public Speaking (continued.) This course is open to the members of the Junior and Senior classes who have completed the preceding courses. The various forms of "Speeches for Special Occasions" are studied and original examples are presented by each member of the class.

One hour. First semester.

5. Development of the Dramatic Instinct. The study of a Shakespearean play and short scenes from the old comedies.

One hour. Second semester. Elective for Seniors.

6. Class in Methods of Teaching Elocution and Oratory designed to aid those who may have to coach students in Prize Speaking contests and Graduating Parts.

One hour. Second semester. Elective for Seniors.

XXI. SPANISH

1, 2. Elements of Spanish. Pronunciation, grammar, composition, translation of graded selections of prose and poetry, sight-reading and dictation.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

3, 4. Advanced Readings in Spanish Classics, and Composition. Studies in Spanish-American Literature.

Three hours. Through the year. Elective for Students that have completed Spanish 1 and 2.

XXII. HYGIENE AND PHYSICAL EDUCATION

In the Departments of Hygiene and Physical Education required courses are given both to men and women; and elective courses in Physiology are offered to men and women in the Freshman year.

Physical Training courses count as required courses, and receive credit in semester hours on the same basis as laboratory work; the work in military training, when offered, counts toward the Physical Training credits for the semester. The total number of hours' credit for Physical Training, however, shall not exceed nine semester hours for the four years.

Hygiene for Men

The Director of Physical Training gives each young man entering the Freshman Class a thorough physical examination during the first term of his attendance at College. From the measurements and strength tests taken, a chart is made out for each student, showing his size, strength, and symmetry, in comparison with the normal standard, and also what parts of the body are defective in either strength or development. A handbook containing the exercises prescribed for the correction of any physical defects shown by his chart, and giving specific directions in regard to diet and bathing, is furnished each student.

When any student is found defective in vision, he receives from one of the college oculists the specific treatment that his case may require.

Anson A. Cobb, M.D., 236 Main St., Auburn.
Charles E. Norton, M.D., 65 Lisbon Street.
Frederick S. Wakefield, A.B., M.D., 342 Main Street.
George P. Emmons, A.M., M.D., 138 Lisbon Street.

1. Physiology, Anatomy, and Hygiene. Instruction in this course is given by lectures and recitations. This course is devoted chiefly to Physiology and Hygiene with emphasis placed upon Hygiene. "The Human Mechanism" by Hough and Sedgwick is used as a text.

Three hours. First semester. Elective for Freshmen.

2, 3. Hygiene. A course of practical lectures dealing with certain phases of personal hygiene: ways and means of securing and conserving health; habits; causes of disease; carriers of disease; defences against disease.

One hour. Through the year. Required of Sophomores.

Physical Training for Men

1. Class Exercises: Military drill, setting-up exercises, and Indian-club swinging. Squad exercises (graded to suit the strength of each division): Basketball, indoor athletics, chest-weights, developing appliances, bar, rings, etc. From the first of November to the first of April. Required of Freshmen.

2. Class Exercises: Setting-up exercises, dumb-bell drill. Squad exercises: Boxing, wrestling, and heavy gymnastics, basketball, bowling, indoor athletics. Required of Sophomores.

3. Class Exercises: Setting-up exercises, fencing with single sticks and with broad-swords. Squad-exercises: Basketball, indoor athletics, heavy gymnastics. Required of Juniors.

Hygiene and Physical Education for Women

1. Hygiene, Anatomy and Physiology.

(a) Hygiene. A course in the proper management, protection and care of the human body.

One hour. Through the year. Required of Freshmen.

(b) Anatomy and Physiology. This course aims to give a practical knowledge of the structure and operation of the human body.

Three hours. First semester. Elective for Freshmen.

2. Gymnastic Teaching. A study of the Swedish system of gymnastics for the school room. Especially adapted for those wishing to supplement the teaching of other subjects with gymnastics.

One hour. First semester. Elective. Course 1b prerequisite.

3. Practical Work of the Department: in the gymnasium or outdoors. This branch of the work aims at the promotion of bodily health and strength, the correction of faulty postures, relaxation from mental work, and the development of precision, alertness and grace of movement.

One hour daily. Through the year. Required of every young woman in College.

Three hours of this will be spent by Sophomores and Freshmen, and two hours by Seniors and Juniors, under the supervision of the director. For the remaining hours each student may make a choice from the work outlined below.

NOTE—A careful physical and medical examination is made of each new student by a woman physician and the physical director, to ascertain her abilities and limitations.

A fee of $10 is charged to cover the expense of gymnasium suit, shoes, dues to the Athletic Association for the first semester, medical examination, etc.

(a) In the gymnasium—

(1) Swedish gymnastics. Floor drills, marching and apparatus work.

(2) Corrective gymnastics. Special exercises to overcome faults of posture, lateral curvature of the spine, round shoulders, weak and flat feet.

(3) Æsthetic gymnastics. Rhythmical movements for the whole body.

(4) Folk dancing.

(b) On the athletic field or games in the gymnasium—

(1) In the fall: field hockey, volley ball, tennis, hare and hound chase, walks, cross-country walks, etc.

(2) In the winter: basketball (on days alternating with gymsium work), snowshoeing, walks, etc.

(3) In the spring: baseball, tennis walks and track. Field day ends the year's work.

Athletic Association. A student organization to help promote interest in physical education in general. The sports are carried on under its direction with the help of the director. All sports are supervised. Dues: $1 a semester.

OUTLINE OF STUDIES

The figure preceding a subject indicates the number of the course in that study as explained on pages 41 to 83. The figure following a subject indicates the number of exercises per week. Electives are italicized. The left-hand column in the Freshman year shows the arrangement of courses for students who are candidates for the A.B. degree; the right-hand column, the arrangement for candidates for the B.S. degree. Subjects in square [ ] are not offered in 1918-1919.

FRESHMAN YEAR

First Semester

A.B.		B.S.	
1	Christian Ethics 1	1	Christian Ethics 1
1	English 3	1	English 3
1, 3, 5	French or 3	1, 3	French or 3
1, 3, 3a	German 3	1, 3, 3a	German 3
1	Latin 3	1	Mathematics 3
	Latin A 4	1	†Physical Education 3
	Latin B 4	1	*Biblical Literature* 3
1	†Physical Education 3	1	*Latin* 3
1	*Biblical Literature* 3	[1	*Mechanical Drawing* 3]
1	*Greek* 3	1	*Ornithology* 1
1	*Mathematics* 3	1	*Physiology* 3
[1	*Mechanical Drawing* 3]	7	*Statesmanship* 3
1	*Ornithology* 1		
1*a*, 3	**Physical Education* 1		
1*b*	***Physical Education* 3		
1	*Physiology* 3		
7	*Statesmanship* 3		

*Required of women. **Elective for women. †Required of men.

Second Semester

2	English	3	2 English	3
2, 4, 6	French or	3	1 Forestry	1
2, 4, 4a	German	3	2, 4 French or	3
2	Latin	3	2, 4, 4*a* German	3
	Latin A	4	2 Mathematics	3
	Latin B	4	1 Physics	3
1	†Physical Education	3	1 Public Speaking	1
1*a*, 3	*Physical Education	1	2 *Biblical Literature*	3
1	Public Speaking	1	1 *Biology*	3
2	*Biblical Literature*	3	[1 *Economics*	3]
1	*Biology*	3	2 *Latin*	3
[1	*Economics*	3]	2 *Mechanical Drawing*	3
2*a*, 2	*Greek*	3	2 *Ornithology*	1
2	*Mathematics*	3		
2	*Mechanical Drawing*	3		
2	*Ornithology*	1		

*Required of women. †Required of men.

SOPHOMORE YEAR

For differences between the A.B. and B.S. courses after the Freshman year consult Major and Minor Requirements on pages 89-90.

1	*Bacteriology	1	5, 7, 9 *French*	3
3	English	3	3 *German*	3
2	Forestry (B.S)	3	3, 9 *Greek*	3
1	German	3	1 *History*	3
2	**Hygiene	1	3 *Latin*	3
2	**Physical Education	3	4*a* *Latin*	1
3	*Physical Education	1	3 *Machine Drawing*	3
2	Public Speaking	1	3 *Mathematics*	3
2	*Physics* (B.S.)	3	2 *Physical Education*	1
3, 8, 12	*Biblical Literature*	3	4 *Physics* (A.B.)	3
1	*Botany*	3	2 *Psychology*	3
1	*Chemistry*	3	1 *Spanish*	3
2	*Economics*	3	1 *Zoology*	3

*Required of women. **Required of men.

Second Semester

3	Forestry (B.S.)	3	4	*German*	3
2	German	3	4, 10	*Greek*	3
3	**Hygiene	1	2	*History*	3
3	*Physics* (B.S)	3	4	*Latin*	3
2	**Physical Education	3	4*a*	*Latin*	1
3	*Physical Education	1	[4	*Machine Drawing*	3]
2	*Sanitation	1	4	*Mathematics*	3
4, 9, 13	*Biblical Literature*	3	5	*Physics* (A.B.)	3
2	*Chemistry*	3	2	*Psychology*	3
1	*Biology*	3	3	*Public Speaking*	1
2	*Botany*	3	2	*Spanish*	3
[1], 3, [5], 6	*Economics*	3	[5	*Topographical Drawing*	3]
4*a*, 4*b*, 5, 6	*English*	3	2	*Zoology*	3
6, 8, 10	*French*	3			

*Required of women. **Required of men.

JUNIOR YEAR

First Semester

7	English	4	1	*Government*	3
4, 6	Forestry (B.S.)	3	5, [7], 8, 9	*Greek*	3
3	†Physical Education	3	11	*Greek Drama*	3
3	*Physical Education	2	10	Hebrew	3
1	*Astronomy*	3	3, 5	*History*	3
4, 6, 8, 10, 12, 14	*Biblical Literature*	3	1	**Household Management*	1
15	*Biblical Literature*	2	4*a*	*Latin*	1
1	*Botany*	3	[5], 7	*Latin*	3
3	*Chemistry*	3	7	*Logic*	3
2, 4, 7	*Economics*	3	5	*Mathematics*	3
1	*Education*	3	5	*Philosophy*	3
1	*Fine Arts*	3	2	*Physical Education*	1
5, 7, 9, 11, 13, 15	*French*	3	6	*Physics*	3
17	*French*	1	2, 3	*Psychology*	3
1, 3	*Geology*	3	4	*Public Speaking*	1
5, 9	*German*	3	1	*Sociology*	3
11	*German*	1	3	*Zoology*	3

*Required of women. **Elective for women. †Required of men.

Second Semester

5, 7 Forestry (B.S)	3	12 *German*	1
3 †Physical Education	3	[2] *Government*	3
3 *Physical Education	2	[6], 8, 10 *Greek*	3
2 *Astronomy*	3	12 *Greek Drama*	3
5, 7, 9, 11, 13 *Biblical Literature*	3	11 *Hebrew*	3
16 *Biblical Literature*	2	4 *History*	3
2 *Botany*	3	6 *History*	1
4 *Chemistry*	3	2 ***Household Management*	1
9 *Chemistry*	1	4*a Latin*	1
[1], 3, 5, [6] *Economics*	3	[6], 8 *Latin*	3
[2 *Education*	3]	6 *Mathematics*	3
8 *English*	4	6, 8 *Philosophy*	3
8 *Ethics*	3	7 *Physics*	3
6, 8, 10, 12, 14, 16 *French*	3	2, 4 *Psychology*	3
18 *French*	1	[2], 3 *Sociology*	3
2, 4 *Geology*	3	2, 4 *Spanish*	3
6, 10 *German*	3	4 *Zoology*	3

*Required of women. **Elective for women. †Required of men.

SENIOR YEAR

First Semester

8, 10, 12, 14 Forestry (B.S.)	3	10 *Hebrew*	3
3 *Physical Education	2	3, 5 *History*	3
1 *Astronomy*	3	1 ***Household Management*	1
4, 6, 8, 10 *Biblical Literature*	3	4*a Latin*	1
15 *Biblical Literature*	2	5, [7] *Latin*	3
5 *Chemistry*	3	7 *Logic*	3
[7], 8, 11 *Chemistry*	3	7 *Mathematics*	3
2, 4, 7 *Economics*	3	5 *Philosophy*	3
3, 4 *Education*	3	2 *Physical Education*	1
9 *English*	4	3 *Psychology*	3
1 *Fine Arts*	3	8, 10 *Physics*	3
7, 9, 11, 13, 15 *French*	3	4 *Public Speaking*	1
17 *French*	1	1 *Sociology*	3
1, 3 *Geology*	3		

7 *German*	3	11 *Greek Drama*	3
11, 13 *German*	1	1, 3 *Spanish*	3
1 *Government*	3	5 *Zoology*	3
5, [7], 8, 9 *Greek*	3	7a *Zoology*	2
		7b *Zoology*	1

*Required of women. **Elective for women.

Second Semester

2 *Physical Education	2	[2] *Government*	3
9, 11, 13, 15 Forestry (B.S)	3	[6], 8, 10 *Greek*	3
2 *Astronomy*	3	12 *Greek Drama*	3
5, 7, 9, 11 *Biblical Literature*	3	11 *Hebrew*	3
16 *Biblical Literature*	2	4 *History*	3
6, 8, 11 *Chemistry*	3	6 *History*	1
9 *Chemistry*	1	2 **Household Management*	1
[10 *Chemistry*	2]	4a *Latin*	1
[1], 3, 5 *Economics*	3	[6], 8 *Latin*	3
5, 6 *Education*	3	8 *Mathematics*	3
8 *Ethics*	3	6, 8 *Philosophy*	3
10 *English*	4	9, 11 *Physics*	3
11 *English*	1	4 *Psychology*	3
8, 10, 12, 14, 16 *French*	3	5, 6 *Public Speaking*	1
18 *French*	1	[2], 3 *Sociology*	3
2, 4 *Geology*	3	2, 4 *Spanish*	3
8 *German*	3	6 *Zoology*	3
12, 14 *German*	1		

*Required of women. **Elective for women.

After the first semester of the Freshman year students elect subjects enough to make not less than 15 hours per week (16 including Public Speaking), and not more than 17, except by special permission.

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

DEGREES AND HONORS

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

BACHELOR'S DEGREE

The Bachelor's degree is conferred on all students that complete satisfactorily one hundred and thirty-one semester hours in the requisite courses, nine semester hours of which are to be in the department of Physical Training. Each candidate for this degree must submit not later than May 15th of his Senior year a thesis of not less than one thousand words upon some subject representative of his accepted Major. His subject for this thesis must be selected from a list presented by the head of the department in which he has chosen his Major. Candidates are invited to submit subjects for the approval of those in charge of the lists.

It is understood that each list from which choices are to be made will be presented not later than Friday of the eleventh week of the first semester.

MASTER'S DEGREE

The degree of Master of Arts is conferred on graduates of the College of at least three years' standing who have completed one year's graduate non-professional study or its equivalent. Either two or three subjects may be selected, with the advice and under the direction of the heads of the College departments. Evidence of proficiency is to be given by examinations and theses. Theses must be presented and fees paid as early as June 1st, and final examinations must be passed not later than ten days before the annual Commencement. The fee is $10.00. Modifications of the foregoing conditions may be granted resident graduates. Further information on the subject may be obtained by writing to the Secretary.

GROUP ARRANGEMENT OF STUDIES

The different departments of instruction are arranged under three groups: I, Languages; II, Philosophy (including History and the Social Sciences); and III, Sciences (including Mathematics).

GROUP I	GROUP II	GROUP III
Languages	**Philosophy**	**Sciences**
English	Biblical Literature and Religion	Astronomy
French	Economics	Biology
German	Education	Botany
Greek	Ethics	Chemistry
Hebrew	Fine Arts	Engineering
Latin	Government	Geology
Spanish	History	Mathematics
	Philosophy	Ornithology
	Psychology	Physics
		Physiology
		Zoology

REQUIREMENTS

A candidate for the degree of Bachelor of Arts must complete before graduation a Major subject in Group I or II, and a Minor subject in each of the other Groups. A candidate for the degree of Bachelor of Science must complete before graduation a Major and a Minor subject in Group III, and a Minor in each of the other Groups.

In the departments of French and German, each student must present for entrance two accepted units of preparatory work, or take one year in College.

In complying with the above conditions, subjects indicated as required in the "Outline of Studies" may count equally with electives. A student in making his selections for the Junior year should indicate in which Group he intends to secure his Major. and in making his selections for the Senior year should indicate the Departments in which he intends to secure his Major and his Minors.

MAJORS AND MINORS

All candidates for degrees are required to make their selections with reference to Major and Minor subjects.

A Major subject is one which is pursued at least three hours a week for three years, including the Senior year; in case of "alternate" courses in the foreign languages, if a Senior course is pursued during the Junior year, the Major may be completed at the end of the Junior year.

A Minor subject is one which is pursued at least three hours per week for two consecutive years, or consists of six three-hour courses of definitely related subjects, and may be pursued in any of the subjects possible for Majors. Three single years' work in as many subjects in the various departments of any one group will also be accepted as a Minor. In certain other cases, by arrangement with the Committee on Curriculum, a Major or a Minor study may be kept up by a combination of related courses from different departments.

English 1, 2, French 1, 2, German 1, 2 (if begun in the Freshman year), History 7, Latin A, B, and Physics 1 must not be counted towards a Minor.

HONORS

The method of awarding honors and assigning Commencement parts is as follows: Six honors, three to young men and three to young women, are awarded for Scholarship in each of the three general Groups as given under the Group Arrangement of Studies.

From the eighteen persons receiving these honors eight are selected to deliver Commencement parts.

1. A committee of three shall be appointed representing each group of studies, who shall present to the Faculty for consideration the names of members of the Senior Class whose rank is 85 or more in any group, and averages at least 80 in all studies.

2. In making up the rank for the assignment of honors, the work of the Freshman year shall not be counted.

3. In awarding honors in any group of studies amount of work as well as rank shall be considered, and in deciding between candidates preference shall be given to the one having the largest number of courses, unless the rank of one having a smaller number is higher than that of the others in any equal number of courses.

4. A student whose rank entitles him to an honor in more than one group of studies shall receive appropriate recognition of that distinction.

ADMINISTRATION

REGISTRATION

The committee on registration is in session on the first day of each term and all students are required to register at that time unless previously excused. Students failing to comply with the above requirement are charged one dollar for subsequent registration and this sum will be collected with their term bills.

ABSENCE FROM RECITATIONS

No excuse for absence from recitations or other class exercises will be granted on the ground of social, literary or athletic engagements.

No student will be excused from regular work to prepare for or to take an examination. Any examination taken under such conditions shall be regarded as a failure.

Students that have been absent one week or more from any course are required to take at least one written lesson for each four weeks of absence or fraction thereof.

EXCUSES

The excuse officer for young men is the President, or, in his absence, the Acting President; for young women, the Dean. These officers will have regular office hours and may be found at their offices every day on which recitations are held. Whenever possible, excuses should be obtained before the absences occur. Claims for excuses must be presented within two days after students return.

The Registrar will keep at her office a complete record of all absences and of all excuses granted.

For every unexcused absence from class one-fifth of an hour's semester credit will be deducted from the student's total credits; and for each unexecused absence from College exercises immediately preceding or immediately following a recess or a vacation a double penalty is imposed.

Excuses for tardiness must be presented to the instructor at the hour at which the tardiness occurs. Otherwise such tardiness will be treated as an unexcused absence.

EXAMINATIONS

Written examinations are given at the close of each semester and at such other times as the instructors may determine.

RANK BILLS

These are sent to the parent or guardian of each student at the close of each semester. A student's work in a course is reported according to the following grades: A, B, C, D and F. A signifies a rank from 90 to 100; B, from 80 to 90; C, from 70 to 80; D, from 60 to 70; F, failure.

STUDENT ADVISERS

Near the beginning of the College year the young men of each class are divided into groups; and for each group some teacher acts as a special adviser. The attempt is made to assure to each student a true friend from whom in any perplexity or emergency he may freely ask counsel and aid. It is one of the cherished aims of the College to foster intimate and mutually helpful relations between teachers and students. At a stated time and place once a month each student reports his church attendance to his adviser.

HEALTH OF STUDENTS

The health of students is an object of constant care. Physical examinations are given each year, and suitable exercise is prescribed for each student. Lewiston has two of the best hospitals in New England, and these are always open at special, reasonable rates to students requiring the services of skilful physicians or surgeons.

YEARLY EXPENSES FOR YOUNG MEN

Tuition,	$80.00	$80.00
Room with Board,	200.00	230.00
Lights, laundry, books, etc.,	15.00	30.00
	$295.00	$340.00

Each Freshman pays a fee of one dollar for his medical examination, chart and handbook.

Students are advised in regard to selecting their rooms. Rooms for young men, except in John Bertram Hall, are unfurnished. Each man, on engaging a room in a College building, deposits a fee of five dollars with the Assistant Treasurer. This sum is credited to him as part payment of his rent for the first semester. Students are held responsible for the rent of the rooms selected, unless other satisfactory arrangements are made with the Assistant Treasurer. Students, except those living at home, are expected to board at the College Commons. No permission to board elsewhere will be given except under definite arrangements with the Committee on the Commons. Board at the Commons is $5.25 per week. Board must be paid in advance at intervals of two weeks, and those who fail to meet this requirement will promptly be deprived of attendance at the Commons tables.

YEARLY EXPENSES FOR YOUNG WOMEN

Tuition,	$80.00	$80.00
Room with Board,	207.00	230.00
Textbooks, class dues, etc.,	20.00	30.00
	$307.00	$340.00

Residence on the campus is required of all young women students not living with their families, except as special permission to live elsewhere may be granted to those partially self-supporting. Most of the rooms accommodate two students. All the rooms are heated, lighted, and equipped with the heavy furniture.

A limited number of young women may secure room with board in the Cheney House dining room for $170.00 and service amounting to not more than an hour daily. Students wholly dependent upon their own efforts are advised to accumulate some reserve funds before entering College.

To retain a room for the ensuing year, a deposit of $5.00 must be made on or before June 1st. This amount will be refunded to students prevented from entering, if application for its return is made before September 1st.

No reduction can be made for temporary absence. For withdrawals in case of illness the loss will be shared by the College, for one-half the current semester.

Correspondence regarding living arrangements should be addressed to the Dean of Women. Checks should be made payable to "Rand Hall Account."

LABORATORY FEES

All students taking laboratory courses in Chemistry, Physics, Biology, and Geology, are charged an additional fee varying from two to five dollars each semester, according to the nature and amount of the work.

BILLS

A deposit of twenty-five dollars with the Assistant Treasurer is required from each student on the first day of each semester. Modifications of this rule may be made with the President for students having scholarships or deferred tuition. Bills for the first semester must be paid in full to the Assistant Treasurer by November 15, and for the second semester by March 15. Students who are unable to pay their bills on or before the above dates must present to the Assistant Treasurer their requests for extension of time for payment before the date on which the bills are due. The Assistant Treasurer has authority to extend the time for payment for a period not exceeding two months. In exceptional cases, the payment of not more than one-half of the current bill may be postponed till the opening of the following semester. No extension can be granted to Seniors on the bills

or the second semester. Students having leave of absence from ollege on the above dates are required to settle their College lls within five days after their return. Students that fail to mply with the above requirments will be subject to an addi- onal charge of one dollar for each week, or fraction thereof, apsing after the regular dates of settlement.

Copies of semester bills are mailed at the close of each semes- r to the parents or guardians of all students whose bills remain paid.

Students will not be dismissed from College on request until ey have paid all their College bills, including those of the cur- nt semester.

Students and graduates for whom tuition has been deferred ill not be recommended or certified to graduate or professional chools until they have paid all tuition in arrears.

BUILDINGS AND EQUIPMENT

The College has seventeen buildings, including one in process of erection. These are kept in good repair and in the best sanitary condition. They are all heated by steam and lighted by electricity.

CHAPEL

What was long the most urgent need of the College, a suitable place for daily worship by Faculty and students, is at length fully met. Through the wonderful generosity of a devout Christian woman the sum of $60,000 was in January, 1912, placed in the hands of the Treasurer of the College to ensure the erection of a worthy Chapel and the installment of an appropriate organ. To this amount $5,000 was subsequently added. The building is 125 feet in length and 55 feet in breadth. It affords seats for 900 persons, 800 upon the floor and 100 in the gallery. The latter is at the front end of the building and above the main entrance. On exceptional occasions, such as Commencement, the seating capacity can be increased by utilizing the spacious chancel to more than one thousand. There are two rooms connecting directly with the chancel—one on either side. One of these rooms is for the choir; the other for those officiating in the religious services. The organ, built by Hook and Hastings of Boston, is placed directly over the choir room. It is an instrument worthy of the Chapel and its sacred uses. The Chapel is of granite and is of Gothic design, after the English collegiate style. The audience room is open to the roof, thus disclosing its supporting timbers. There are four towers, two at each end in conformity to the general style of the architecture. The corner stone was laid with appropriate exercises on November 6, 1912. The Chapel was dedicated on January 7, 1914.

HATHORN HALL

Hathorn Hall, a beautiful and substantial building of three stories, contains an Assembly Room, ten lecture rooms, and a large study and a cloak room for women students. Through the

generosity of successive classes, nearly all the rooms in this building have been finished and furnished with excellent taste. This Hall takes its name from Seth and Mary Hathorn, of Woolwich, Me., who in the early history of the institution contributed generously toward its erection.

HEDGE LABORATORY

The building of the department of Chemistry is called Hedge Laboratory, in honor of the late Isaiah H. Hedge, M.D., of Waukon, Iowa, who furnished the means for its erection. It is a two-story building finely located and of attractive modern style. Important improvements in this building have recently been made by which its capacity has been increased considerably and the general conveniences much improved. On the first floor of the laboratory are the chemical lecture room, with rooms adjoining for chemicals and apparatus, and a class laboratory room fitted up with tables and sinks sufficient to accommodate thirty-two students. The large laboratory room for qualitative analysis occupies the most of the second floor. It is well lighted, thoroughly ventilated, and conveniently fitted with sinks, hoods, and tables sufficient to accommodate seventy-three students. Adjoining this room are the weighing and apparatus rooms and the private laboratory of the head of the department. The removal of the coal bins and steam boiler from the basement of this building made it possible to use the whole of that floor for stock and laboratory rooms. Excellent accommodation has thus been provided for ninety-seven additional students.

The arrangement and appliances of the whole building are in accordance with most approved plans of modern laboratories.

The enrollment in this department is so large as to render imperative the doubling of the capacity of the Laboratory at the earliest practicable date.

CARNEGIE SCIENCE HALL

In January, 1908, Mr. Andrew Carnegie made a subscription of $50,000 for the erection of a new science building. The conditions of the gift having been met, the corner stone was laid

during Commencement week of 1911. The building was opened for occupancy in September, 1912, and was dedicated January 14, 1913.

Three departments of the College are provided with commodious and convenient accommodations in Carnegie Science Hall.

The most used rooms of the Biological Department are located on the first floor. The lecture and recitation room has a raised floor so that the seats at the rear of the room are two feet above those in the front row. At present the equipment includes: fifty-five iron-framed tablet arm chairs; a lecture and demonstration desk furnished with a sink, aquaria, gas and electric connections, cupboards and drawers.

Adjoining the recitation room is the department library, known as the Ira H. Bickford Biological Library of Bates College. This library was established by Mr. Bickford in June, 1911. The room is furnished with reference table, chairs, a librarian's desk, book shelving, and card catalogues. Special mention should be made of a valuable collection of ornithological works presented to the Library by Prof. J. Y. Stanton.

Opening out of the library, in the east corner of the building, is the office and private laboratory of the head of the department.

The laboratory for histology and general miscroscopy opens out of the main corridor and occupies the northwest corner of the first floor. This room is unusually well equipped with windows, and electric fixtures for artificial illumination. The furnishings and technical apparatus for this laboratory are extensive, modern, and selected with care as to their special purposes.

Also opening out of the main corridor, and occupying the entire southwest end of this first story, is the large general laboratory for the courses in vertebrate and invertebrate zoölogy. Like other laboratories of the building, this has associated with it a supply room.

The entire northeastern half of the third floor has been set aside for a Biological Museum. This Museum is especially fortunate in its extensive and valuable collection of ornithological specimens. In addition to the regular teaching collection, which includes representatives of nearly all the New

England species, besides many from other parts of the United States, and from foreign countries, Prof. J. Y. Stanton presented his entire private collection of mounted birds and skins. This collection includes several specimens of extinct forms and many rare species.

The entire fourth floor is used as a vivarium. It is divided into rooms as follows: a large animal room, a supply room, and a room for the experimental breeding of animals and plants.

In the basement, the Biological Department has the following accommodations: a taxidermy and tool room; a supply room; and a dark room.

The second floor of the building is allotted to the Department of Physics. The lecture room is fitted with seats for fifty-five students, a stereopticon stand, a lecture table equipped with gas, water, and electricity—both alternating and direct current. The room is ventilated by the electric fan.

Adjoining the lecture room is a commodious apparatus room fitted with a large counter and wall shelves. The cabinet is well supplied with apparatus for lecture table and laboratory experiments.

Adjoining the apparatus room is a large laboratory equipped with water, gas, and electricity for advanced work in Physics. This room is fitted especially for electrical work. Connected with this laboratory is a photographic dark room and a private laboratory and office for the head of the department.

At the other end of the building is a large laboratory for the elementary work in Physics, fitted with tables and wall shelves, supplied with gas and electricty for experimental work.

In the basement of the building is a dynamo room containing the main switch-board that serves both as a main feeder for the building and as an experimental board. A small shop adjoins the dynamo room, equipped with an assortment of tools for repairing apparatus.

A large Physiological laboratory in the basement is for the present used as a drafting room and contains stands for about forty-five students. This room is fitted with wall cabinets having numerous drawers and cupboards.

The recitation room for the Physiological department is upon the third floor. In location, size and equipment this room is similar to the recitation room on the first floor.

The rear entrance to the building opens directly into a receiving and unpacking room. There are three lavatory rooms, one in the basement, another on the first floor, and a third on the second floor. A large general supply room and a sterilizing room are also located in the basement. An efficient ventilating system is connected with all basement rooms and with the three recitation rooms.

CORAM LIBRARY

Coram Library, dedicated in 1902 and named for Mr. Joseph A. Coram, of Lowell, Mass., who contributed twenty thousand dollars towards its erection, is one of the most beautiful and best planned buildings of its kind. Its reading, reference, seminar, and stack rooms are models of taste and convenience. The furnishings throughout are of the most approved designs for modern libraries.

Individuals disposing of private libraries could find no better place in which to perpetuate the usefulness of rare and standard works. The shelving capacity has just been largely increased by the construction of a second story stack room.

The library is classified according to the Dewey system; there is a dictionary card catalogue; access to the shelves is entirely unrestricted. Attention is given to helping the students in using the catalogue, reference books and special bibliographies. Books selected by teachers for special reading in connection with class work are reserved on shelves near the delivery desk.

The number of volumes in the library is 47,000.

Through the generosity of Mr. Walter Woodman of Portland, 3,000 choice volumes from the library of the late Professor Jonathan Y. Stanton are among the most recent accessions.

The College library has been selected with special reference to the needs of the several department.s It is composed mainly of modern publications, and contains many important works of reference.

Special funds from which income for the purchase of books is derived are the following:—

The Benjamin E. Bates Library Fund, founded in 1906, by a gift of $10,000 from Mr. Clement S. Houghton of Boston. This fund was given in memory of Benjamin E. Bates, the son of the Benjamin E. Bates whose name the College bears, and himself for twelve years a devoted and efficient member of the Board of Fellows of the Institution. The income of this fund is expended in the purchase of works upon History, Economics, Sociology and Mathematics—subjects in which Mr. Bates was much interested.

The Stephen and Mary Stickney Library Fund was established in 1909 by a legacy of $7,000 from Mrs. Mary M. S. Spaulding in memory of her parents.

The French library of the late Isaac L. Rice, LL.D., numbering 1800 volumes and thought to be the most valuable private collection of its kind in America, has been presented recently to the College by the family of Dr. Rice and has been placed in the Art Room of the Library. This room is designated as the Isaac L. Rice Room.

Considering the expense involved in purchasing books most necessary to keep the library abreast of the times, the generous aid of friends of the College is invited to the establishment of new funds.

The library is open during term time from 8.30 A.M. to 12.10 P.M., 1.30 to 5.30 P.M., and from 7 P.M. to 9 P.M., daily, except Sunday.

The privileges of the library are extended to graduates of the College and to the clergymen of Lewiston and Auburn; also to other persons on recommendation of the President or the Library Committee.

One of the largest rooms has been reserved for the reception of statuary, bronzes, pictures, and curios that the friends of the College have been waiting to give when a suitable place should be provided.

Among other valuable gifts are casts of the Apollo Belvedere and the Diana of Versailles—both of heroic size. Under the

will of the late George W. Harris of Boston, in commemoration of his intimate friendship with the first Benjamin E. Bates, the College has come into possession of a choice collection of music, including many rare manuscripts.

The College recently received from the late Rev. Dr. Charles G. Ames, of Boston, an ideal bust of Christ, one of the works of noteworthy merit by Hiram Powers.

Through the generosity of Miss Annette P. Rogers, of Boston, the College has several hundred large photographs, excellent copies of celebrated originals in the famous museums of the Old World. Miss Rogers has also given an admirable card catalogue of the photographs and 20 volumes of helpful books upon art. Several choice oil paintings, copies of masterpieces in the Florentine galleries, have lately been presented to the Library.

LIBBEY FORUM

Through the generosity of the late Honorable W. Scott Libbey, the Literary Societies and the Christian Associations of the College have been provided with large, beautiful, and convenient rooms—one for each of the three Societies and a fourth for the Y. M. C. A. and Y. W. C. A. Libbey Forum has been erected to stand, and is probably the most solid and substantial structure in Lewiston. It is complete in all of its appointments. Its spacious corridors, its convenient cloak and toilet rooms, its arrangements for heat and light, and its furnishings, are all in complete harmony with the general design; and the result is an ideal home for the Societies that have long been one of the most unique and attractive features of Bates. It was dedicated on October 1st, 1909, and is now regularly occupied by the organizations for the benefit of which it was erected. The building occupies the large lot on the northern side of Mountain Avenue at its junction with College Street. The completion of this hall made available for important uses of the College the rooms that have been occupied for society purposes in Hathorn Hall and Parker Hall.

CHENEY HOUSE

Cheney House, a spacious and attractive two-story building originally erected for the President's residence, has since 1895 served as a dormitory for women students.

PARKER HALL

Parker Hall affords accommodations for about one hundred young men. It has recently been renovated and modernized. The floors throughout are of hard wood. The rooms are arranged in suites, each consisting of a study and a bedroom. A commodious and tastefully furnished reception room, ample shower baths and other sanitary arrangements, and convenient and tasteful student apartments, render this hall one of the most homelike and satisfactory college dormitories in New England. The baseball cage in the basement affords uninterrupted opportunities for practice in the winter and in stormy weather. Parker Hall bears the name of the late Judge Parker of Farmington, one of the chief contributors for this, the second building erected upon the Campus. The immediate supervision and care of this building are entrusted to the Parker Hall Association, made up of the student occupants.

ROGER WILLIAMS HALL

Roger Williams Hall is an attractive and commodious three-story brick building erected by the late Lewis W. Anthony, Esq., of Providence, R. I. This hall, formerly devoted to the needs of Cobb Divinity School, is now used for College purposes. The first floor is occupied by two large lecture rooms, the offices of the President, the Assistant Treasurer, the Registrar, and the Y. M. C. A. Secretary, a reception room and a reading room. The other floors are used for dormitory purposes. The student suites in this building are unusually tasteful and convenient. They accommodate between forty and fifty young men. Through the generosity of the Alumni the best suite of rooms in this hall has been tastefully furnished for the exclusive use of returning graduates and of guests of the College. The building is under the supervision of the Roger Williams Hall Association.

A fund of $5,000 has been given by Dr. Alfred W. Anthony and Miss Kate J. Anthony for the permanent upkeep of this building.

For the benefit of the S. A. T. C. the entire first floor was devoted during the first term to Y. M. C. A. purposes; and this arrangement will continue during the present college year.

JOHN BERTRAM HALL

John Bertram Hall is the large three-story brick building that for thirteen years was used by the departments of Biology and Physics. The completion in 1912 of Carnegie Hall left it available for dormitory purposes and it was then thoroughly renovated and in large part reconstructed. Its spacious, convenient and attractive suites of rooms afford ample accommodations for from forty to fifty students. Most of these suites are occupied by young men of the Freshman class, thus meeting an urgent need. Heated by steam, lighted by electricity, provided with shower baths and the most approved plumbing arrangements, it is one of our most satisfactory dormitories. On the first floor is a tasteful reception room with a piano and other appropriate furniture. On the wall opposite the entrance hangs a picture of John Bertram—a man whose character and career exemplify the best in Christian manhood. In the basement are the kitchen and store rooms and a convenient, spacious and well appointed dining room that serves as a "Commons" for more than two hundred young men. All the floors of this building are of hard wood and every part of it is sanitary and well lighted. Through the generosity of a friend of Bates all the suites for students have been suitably furnished. The gift in January, 1913, by Mrs. David P. Kimball of Boston, of $10,000 in memory of her father, Captain John Bertram of Salem, Mass., brought to the young men of the College facilities long needed and highly prized.

RAND HALL

Rand Hall, completed in 1905 for the women of the College, is a beautiful three-story building one hundred and twenty feet in length by forty-three in breadth.

By action of the Trustees at their annual meeting in June, 1908, this building was named Rand Hall in memory of Professor John Holmes Rand and his untiring efforts to assure a true college home to the women of Bates. It contains a large, well-equipped gymnasium, Fiske reception room for student social gatherings, rooms for the Dean and for the Instructor in House-

hold Economy, and for sixty young women, together with laundries, kitchens, dining-room, and all the appointments of a first-class women's hall.

FRYE STREET HOUSE

Frye Street House, until recently the private residence of Mr. E. A. Whittier, has been purchased to provide for the 25 young women for whose accommodation it had been found necessary to make provision. It is a beautiful, convenient building with all the modern conveniences and admirably adapted to its purpose.

CHASE HALL

Chase Hall, so called by the Executive Board of the College at the request of the friends who contributed $91,000 for building and furnishing it, is now in process of erection and is expected to be dedicated during the next Commencement Week. It will be a beautiful, substantial, and most serviceable building, and will meet what has long been a foremost need of the College. It will afford adequate offices, study and committee rooms for the Bates Y. M. C. A. and for the social, literary, scientific, and musical interests now under the care of our young men. It will contain a good number of excellent suites and large and inviting rooms for rest and recreation, healthful games, reading, and instrumental and vocal music.

It will afford the hospitalities of a true home to returning alumni and friends of the College and will enable the young men to give a hearty welcome to delegations from secondary schools.

The building should have an endowment of from $10,000 to $15,000 in order to ensure its proper upkeep and care. It is anticipated that when completed it will powerfully contribute to the maintenance of our Bates ideals and to the cultivation of a happy and helpful social life among our young men—thus rendering them indifferent to the distracting and often harmful influences of many of the forms of entertainment offered in our cities. It will be a rallying center for graduates as well as undergraduates and cannot fail to be promotive of that loyal devotion upon which our hopes so largely rest. It is confidently

expected that friends of the College will provide the means still needed to ensure the full realization of the plans and ideals of which Chase Hall will be a permanent expression.

CENTRAL HEATING PLANT

The people of Maine by the unanimous action of their Legislature during the session of 1908 generously recognized the service rendered by Bates College to educational work in their State by the appropriation of $45,000 for the construction of a Central Heating Plant for the Institution. This plant was completed under the supervision of competent engineers. It materially lessens the cost of heating the College buildings and promotes at once the health, the comfort, and the convenience of their occupants. In its construction, provision has been made for extending its advantages to buildings hereafter to be erected.

GYMNASIUMS

The Men's Gymnasium, a two-story wooden structure with basement, has been a very useful building; but it should give place as soon as practicable to a more capacious and substantial structure of modern design. A new gymnasium adequate for our needs would cost $100,000.00.

Subscriptions for this building are earnestly solicited. The immediate erection of a gymnasium for our young men might well engage the interest of some large-hearted, wealthy man or woman.

The Gymnasium is steam heated and equipped with the apparatus necessary for the thorough and systematic training and development of the human body. This apparatus is new and of the most approved modern pattern. In the basement of the Gymnasium are a pair of excellent bowling alleys; also convenient bathrooms, provided with lockers, hot and cold water, di baths, shower baths, etc.

The gymnasium for women in Rand Hall is well equipped for class drill and apparatus work and provides for indoor recreation such as basketball, volley ball, indoor baseball, et

The room adjoining the gymansium is suitably fitted with shower baths and lockers.

The athletic grounds for women provide for field hockey, basketball, baseball, tennis, etc.

ATHLETIC FIELD

The Garcelon Athletic Field, named in honor of the late Alonzo Garcelon, M.D., of the original governing board of the College, is considered one of the best in New England. It has a tasteful and commodious grand stand, sufficient for all present needs. The field, surrounded by a fence, has an area of seven acres. It contains a quarter-mile track, a two hundred and twenty yard straight-away, take-offs for the jumps and pole vault, a football field, and a baseball diamond.

OUTDOOR RUNNING TRACK

The wooden track is rectangular in shape with a straight-away course of 74 yards. The width of the straight-away is ten feet. The rectangle is five feet in width with a course of twelve laps to the mile. The track is located near the Gymnasium. It is of modern arrangement, and, undoubtedly, the best in the State of Maine.

TENNIS COURTS

Ten fine tennis courts offer abundant opportunity for this healthful game.

STUDENT LIFE

SOCIETIES AND ORGANIZATIONS

Bates has no secret societies. But the various interests of a wholesome student life are sustained and promoted by means of appropriate organizations,—both for the young men and for the young women.

The three older Literary Societies,—the Eurosophian, the Polymnian, and the Piærian—are carried on by the young men. Eurosophia is devoting most of its time to debating, declamation and composition; Polymnia to problems of Military Science and History; and Piæria to extempore speaking.

Four societies for debating and parliamentary practice, for the cultivation of literary and musical tastes and for practice in composition, for the promotion of interest in fine arts, for the discussion of current events and for fostering a helpful social life are maintained by the young women.

The Spofford Literary Club, composed of both young men and young women, has been organized recently, and its name and purpose constitute a choice tribute to the memory of the lamented Professor Spofford.

The Jordan Scientific Society, also recently organized, takes its name in honor of Dr. L. G. Jordan, Head of the Department of Chemistry. Its members are young men who find themselves eagerly interested in Science.

The Politics Club, organized in 1912, is composed of young men from the Junior and Senior Classes who are interested in the science of politics and government. The programs of the meetings are in charge either of the regular members, or of invited guests who address the Club on appropriate subjects. The Club is a member of the Inter-Collegiate Civic League.

The Phil-Hellenic Club is a new society for students interested in Greek literature, life, and customs. Its purpose is a more thorough and personal appreciation of these matters than is afforded by curriculum courses. The club meets monthly, and

very interesting and instructive articles have been contributed on such subjects as "Athenian Life," "Religious Views of Æschylus," and "Recent Discoveries in Crete."

Le Cercle Française serves a like purpose for students of French. Meetings are held once a week, and are conducted entirely in the French language and according to parliamentary rule. Papers relating to science, business, athletics and social life have been read at various times, always followed by a general discussion. All meetings are closed by the singing of the national anthem of France, "La Marseillaise."

A Deutscher Verein has been formed among the young men of the Junior and Senior Classes, and a Deutsche Gesellschaft among the young women of the Senior Class. Meetings are held every two weeks at which there are presented varied programs of a social and literary nature dealing with German life, manners, and customs.

The Press Club has recently been reorganized; its function is to supply the papers with Bates news.

The Macfarlane Club is composed of members of the student body that show marked ability in music. It is named for Will C. Macfarlane, Mus.D., municipal organist of Portland, Maine.

The Intercollegiate Prohibition Association has a branch organization at Bates which is studying the liquor problem and preparing for aggressive practical work.

The Athletic Association is an organization of the men of the College for the promotion of physical training and of athletic sports.

The Women's Athletic Association is an organization of the women of the College for kindred purposes.

The young men maintain an orchestra, a Glee Club, and a Mandolin Club; and the young women, a Glee Club and a Mandolin Club.

The large College Choir, composed of both young men and young women, receives regular, careful training from the College Chorister.

No student organization of the College may incur any financial obligation, or make any contract involving monetary con-

sideration, without first obtaining the sanction of the President of the College, or of the proper Faculty committee under whose supervision the organization is placed. In the event of the contemplated formation of any such new organization, the President of the College must first be consulted; and, if permission be granted to effect such organization, he will advise the student representatives of the particular Faculty committee under whose supervision the organization is placed.

A Bates Chapter of Delta Sigma Rho was instituted on the twenty-first day of June, 1915. All men participating in intercollegiate forensics are eligible for membership in this organization.

At the meeting of the Council of the United Chapters of Phi Beta Kappa held in September, 1916, a charter was granted to Bates, and the Phi Beta Kappa, Gamma Chapter of Maine, was installed May 29, 1917.

RELIGIOUS LIFE

At 8.45 A.M., six days in the week, all the students, with the Faculty, assemble in the Chapel for reading of Scripture, prayer, and singing. A committee composed of members of the Faculty are active in promoting the religious life of the College. The women students have vesper services in Fiske Hall Sunday evenings. Occasional vesper services, open to the public, are held in the College Chapel.

The last Thursday in January is observed as the Day of Prayer for Colleges and is set apart entirely for religious meetings. A sermon to which the public are invited is preached in the Chapel at 10 A.M. Christian friends of the College are asked to remember this day. The Elizabeth Garcelon Messer Fund assures the presence of an eminent and earnest speaker.

The two Student Christian Associations—Young Men's and Young Women's—are active and flourishing. They hold weekly meetings on Wednesday evenings: the Young Men's Association in the Assembly Room, Roger Williams Hall, at 6.30, and the Young Women's Association in the Fiske Room, Rand Hall, at 6.45. Besides student leaders—members of the faculty, pastors,

visiting lecturers, and secretaries often speak at meetings arranged by the Associations. The weekly meeting, however, is but one of the many helpful activities of these Associations in the life of the College.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The College employs a resident, graduate, Young Men's Christian Association Secretary, and he and the leaders of the organization are in close touch with the leaders and secretaries of the International and World's Student Movement.

The Department of Administration looks after the business affairs of the Association, keeps proper records, secures reports, furnishes publicity, and assists in maintaining an office in Roger Williams Hall, where daily office hours are kept.

The Religious Education Department plans for and conducts the weekly meetings, manages special campaigns in sex education, evangelism, and missions, and promotes the devotional life of the men of the College.

It also maintains classes in voluntary Bible study which are conducted in the first semester under faculty and student leadership; the emphasis in the second semester is placed on the study of missions, North American and world problems. Special committees present the latest opportunities for service in mission and temperance activities.

The Campus Service division of the social work of the Association includes the issuing of the annual college handbook, the extension of courtesy and hospitality to new students, the promoting of the special tutoring work of the institution, the presentation of wholesome and enjoyable entertainments, the selling of second-hand text-books, visitation of the sick, and the securing of employment.

The Community Service Department teaches English, civics, etc., to foreign workmen; sends deputations to churches, communities, preparatory schools, and other institutions; furnishes teachers for Sunday Schools and leaders for boys' clubs; co-operates with local pastors in interesting students in the work of the churches; assists in allying graduates with definite Christian service in the communities to which they go.

An Advisory Board, composed of representative members of the College Faculty, Alumni, student body and local business men, exercises a relation of oversight and counsel to all the Association activities.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The work of the Young Women's Christian Association is much like that of the Men's. It is officered by the young women, who in consultation with an advisory board, and under the direction of a visiting Secretary and other officers of the National Board, engage in various activities. Membership and Social Committees co-operate in welcoming the new students, correspond with them during the summer, share in the distribution of handbooks, meet them at the trains, give an afternoon reception on Mt. David the day College opens, unite with the Y. M. C. A. in a reception on the first Friday evening, and later a Hallowe'en party, and provide other informal social gatherings for the young women during the year.

The Bible Study and Missionary Committees arrange for classes during the first and second semesters respectively. The Missionary Committee also secures co-operation in the support of the worker kept in the foreign field by a group of Associations, and corresponds with various Alumnæ in the work. It supervises the observance of the week of prayer.

The Social Committee visits the Old Ladies' Home, the Children's Home, provides teachers for Sunday School classes, secures gifts for Christmas time for poor children in the city, directs the work of the Eight Weeks' Club in College, distributes flowers to the sick, aids students needing help along various lines. It co-operates with the city Christian Association in teaching classes.

The Association New Committee supplies posters and periodicals on the work of the Association and other Associations. The Town Committee is concerned with interests of the girls not residing on the Campus. A group of girls attend the Silver Bay Conference each year.

GENERAL INFORMATION

COLLEGE PUBLICATIONS

The *Bates Student* is published weekly (with monthly magazine number), under the direction of Editors and Managers selected from the Junior Class. The first number was issued in January, 1873.

The *Bates Bulletin,* published every three months, gives full information respecting the progress of the College. It will be sent to any address, upon application to the Registrar, for fifty cents a year.

GEORGE COLBY CHASE LECTURE FUND

On Commencement Day, Jnne 28, 1906, one of the Trustees of the College announced the creation of a fund of $5,000 for the establishment of the George Colby Chase Lecture Fund for the maintenance of a permanent course of lectures to be known as the George Colby Chase Lecture Course. The College is indebted for this lecture fund to the late Honorable William Wallace Stetson, a former State Superintendent of the Public Schools of Maine. The purpose of the donor is definitely stated in the following citation from a prescribed trust agreeement since executed: "Fourth, That the income of said fund shall be used exclusively for the maintenance of Lecture Courses in said College, and that no part of said income shall be used for any other purpose. Fifth, That speakers shall be selected who have done something worthy of special commendation, who have a message, and who can deliver it in such a manner as will be helpful to College students."

The far-reaching significance and substantial value of this lecture course for Bates students, thus made coeval with the life of the institution, can be better appreciated a century hence than now. This trust faithfully administered will break the isolation too often existing between the college and the world, and assure to every Bates man and Bates woman the quickening influences of great leaders in thought and achievement. Some of the lect-

ures thus far given under the provisions of this fund have been by Rev. Lyman Abbott, D.D., Rev. Hugh Black, D.D., Mr. George W. Cable, Professor R. W. Wood of Johns Hopkins University, Rev. Charles F. Aked, D.D., Henry S. Pritchett, President of the Carnegie Foundation for the Advancement of Teaching, Hamilton Holt, Managing Editor of the *Independent,* Edward A. Steiner, D.D., of Grinnell College, Booker T. Washington, William T. Ellis, John Nolen, Edgar M. Banks, Ph.D., Seumas MacManus, Alfred Noyes, S. S. McClure, Professor Albert B. Hart, and Robert Frost.

UNIVERSITY EXTENSION

Members of the Faculty are prepared to give lectures upon subjects in Science, Literature, Philosophy, History, Economics, Sociology, Pedagogy, and Art. Particulars can be learned by correspondence with the President, or the Secretary of the Faculty.

RESOURCES

Within a few years the resources of the College have been more than trebled. This has been due in large measure to the generosity of Mr. Andrew Carnegie and of Mr. Bartlett Doe, late of San Francisco, each of whom gave $50,000 toward increasing the endowment; $60,000, also, were given by Alumni and other friends of Bates in response to a condition imposed by Mr. Carnegie. Nearly $60,000 more were added to the permanent fund by meeting the conditions of Mr. Carnegie's subscription for the science building, and by other gifts. In January, 1913, Honorable D. D. Stewart, of St. Albans, presented $50,000 in memory of his brother, the late Levi M. Stewart, Esq., of Minneapolis, Minn. In 1918 there became available from the B. C. Jordan Forestry Foundation, $126,666. The total invested funds of the College at the present time amount to about $1,107,000; and its total resources, including grounds, buildings, library, and apparatus, have a value of fully $1,500,000.

Bequests to the amount of $35,000, including that of Mr. Frank Gutmann of Lewiston, lately deceased, will soon be available.

THE PUBLIC SERVICE OF BATES

To all who can prize her contributions to the intellectual and moral forces that must save our country, Bates can unhesitatingly appeal. Of her graduates about 43 per cent have become teachers, and nearly 11 per cent ministers, the latter being distributed among ten religious denominations. Within recent years Bates has made important contributions to the foreign mission field. Ninety graduates have filled positions in Universities and Colleges, and more than this number have won distinction as State, City, and District Superintendents and as Principals of important Secondary Schools. Among the Higher Institutions to which Bates has contributed teachers are Albion, Amherst, Armour Institute, Bates, Bishop, Brown University, Carleton, Colgate University, Columbia University, Connecticut Agricultural, Cooper Institute, Cornell University, Dartmouth, Delaware, Denison University, Doane, Drury, Fairmount, Grant University, Grinnell, Harvard University, Haverford, Hillsdale, Howard University, James Millikin University, Johns Hopkins University, Keuka, Knox, Lake Forest, Massachusetts Agricultural, Miami, Middlebury, Massachusetts Institute of Technology, Mt. Holyoke, Northwestern University, Norwich University, Oahu (Hawaii), Pennsylvania State, Princeton University, Pomona, Purdue University, Redfields, Reed, Shaw University, Stevens Institute of Technology, Syracuse University, Tufts, University of California, University of Colorado, University of Illinois, University of Iowa, University of Maine, University of Montana, University of Oregon, University of Utah, University of Washington, Washington State College, University of Wisconsin, Western Reserve University, William Jewell, Williams, Worcester Polytechnic Institute, Yale University, Yankton. In Authorship, on the Bench, in Legislation, in Journalism, Law, Medicine, and Engineering, Bates has distinguished representatives; while nearly the entire body of her Alumni have proved themselves pure, earnest, useful citizens, ready for every good word and work, and making happier and better the communities in which they have lived. The thorough preparation that Bates gives for public speaking is shown by the honors won in the last thirteen

years in thirty-two out of forty-two inter-collegiate debates—seventeen of these with Universities. More than six hundred graduates and under-graduates have been in the service of their country on land or sea. Among them are a Major General and Chaplains, Majors, Judge Advocates, Captains, Lieutenants, Ensigns, Sergeants, and men not less patriotic in the ranks.

BATES AND THE CARNEGIE FOUNDATION

The high standards of scholarship maintained at Bates and the breadth and liberality of her administrative policy are indicated by the fact that she was admitted to the benefits of The Carnegie Foundation for the Advancement of Teaching in June, 1907. She has been characterized from the beginning of her history at once by her insistence upon Christian standards of character and conduct and by her freedom from sectarianism. Her original charter contained no denominational or creedal conditions; and the slight change from the breadth of management that had been made in 1893 was, by the unanimous vote of her Trustees, removed in 1906. Her application of Christianity to life finds expression in her supreme endeavor to educate her students for good citizenship and for self-denying service to mankind.

REASONS FOR AIDING BATES

1. To a large number of young men and young women she offers their sole reasonable hope for obtaining a liberal education. Both the necessary and the incidental expenses are lower than at any other New England College.

2. In the number and quality of her graduate educators, Bates is not surpassed, and, perhaps, not equalled, by any other College in America.

3. She has been successful in securing character as well as scholarship.

4. She is unsectarian.

5. Her location is the best possible for her usefulness. She gathers from a constituency widening every year young men and young women of small means but of great promise, some of them

traveling hundreds of miles to secure from her the New England culture of heart and mind, that they may use it for the good of our entire country.

6. She took up the cause of higher education for women when it was unpopular.

7. Every dollar given to her work strengthens the forces that are shaping our Christian civilization.

8. She has but $1,107,000 for carrying on work for which most New England Colleges require more than twice that amount.

SUMMARY OF NEEDS

1. $1,000,000 as an immediate addition to the permanent fund, in order to ensure the efficient maintenance of present work, the development of existing departments, the endowment of a chair of Economics, and the increase of the salaries of teachers to a living basis. This need is painfully intensified by the startling increase in the cost of living expenses and of the general upkeep of the College. The deficit for the financial year ending May 31, 1919, will be $35,000, unless averted by contributions. This is in large measure due to conditions created by the world war and especially to the withdrawal of students to engage in patriotic service.

$20,000 for doubling the capacity of the present Chemical Laboratory.

3. $5,000 to pay for the furnishing of Coram Library and to secure additional appliances.

4. $50,000 as a permanent fund for the Library.

5. $150,000 for additional Scholarships for deserving students.

6. $100,000 for the erection of a new Gymnasium for the men students.

7. $100,000 for the erection and maintenance of an Astronomical Observatory and the support of its Director.

8. $10,000 for the grading and improvement of the Campus.

9. $30,000 for a student loan fund.

The total of the amounts named is about $1,500,000. We can do a valuable work while waiting for some of these needs to be

met; others of them are urgent; all of them are implied in the plan of the institution; and could they be met at once, the result would justify the outlay. The enlargement of the Chemical Laboratory, the erection of a Gymnasium for the young men, the grading and improvement of the Campus, can be delayed only with serious loss to the College.

GIFTS

All departments of Bates College are under the care of the same Board of Trustees, and all gifts and bequests should be made to "The President and Trustees of Bates College." When bequests are designated for the uses of a particular department, or for any other special purpose, they are limited to such purposes. But the experience of colleges shows that it is desirable to have the specific use of the income and endowments left as far as possible to be determined by the Trustees as the needs of the growing work may demand. The work of Bates College has greatly outgrown the present equipment, and there is pressing need of additional endowments, scholarships, and buildings.

FORM OF BEQUEST

I give and bequeath to The President and Trustees of Bates College, a corporation existing in Lewiston, Maine, the sum of.....Dollars, for an endowment fund, to be called.....Fund (or Professorship, or Scholarship).

FORM OF ANNUITY BOND

Whereas, The sum of .....Dollars has been given to The President and Trustees of Bates College, Lewiston, Maine, by .....of..... upon condition that, in consideration of said gift, an annuity of .....Dollars be paid to the said .....during.....life;

Therefore, The President and Trustees of Bates College hereby agree to pay the said sum of .....Dollars

to the order of said .....at the Treasurer's Office of said College, during the natural life of said .....commencing January first, Nineteen Hundred.....

In witness whereof The President and Trustees of Bates College have hereunto affixed their Corporate Seal and caused this bond to be signed by their President and Treasurer at Lewiston, Maine, this.....day of.....191...

SCHOLARSHIPS

State Scholarships—There are ten State Scholarships (each yielding $50 annually) in the hands of the Governor; and in bestowing them preference is given to the children of those who have borne arms in defense of their country, and always to students who are needy and meritorious.

Each of the following scholarships has been endowed by a donation of one thousand dollars, and pays $50 a year to the student elected to hold the scholarship.

Redington Scholarship—For a Lady Student—Endowed by the late Hon. Asa Redington, LL.D., of Lewiston. This is supposed to be the first instance of such an appropriation in any college.

Dudley Scholarship—Endowed by the late Alvin D. Dudley, Esq., of Haverhill, Mass.

Cheney Scholarship—For a Student from New Hampshire—Endowed by the late Hon. Person C. Cheney, A.M., of Manchester, New Hampshire.

Woodman Scholarship—Endowed by the Paige Street Free Baptist Church, Lowell, Mass., in memory of Rev. Johnathan Woodman, a former pastor of the church.

Symonds Scholarship—Endowed by the Plymouth Street Free Baptist Church, Portland, in memory of Joseph Symonds, Esq., a deacon of the church.

Clements Scholarship—Endowed by the late Rev. Tisdale D. Clements of Lewiston.

Bridge Scholarship—Endowed by the late Charles Bridge, Esq., of Gardiner.

Lewis Scholarship—Endowed by the late Chace Lewis, Esq., of Providence, Rhode Island.

Class Scholarship—Endowed by the Class of 1877.

Bartlett Scholarship—Endowed by the Main Street Free Baptist Church, Lewiston, in memory of Rev. Flavel Bartlett.

Nathaniel Bowen Scholarship—Endowed by the late Mrs. Hannah Bowen of Providence, Rhode Island.

Cobb Scholarship—Endowed by the late Hon. C. C. Cobb of Lewiston, in memory of his son, Rev. Frank Woodbury Cobb, A.M., class of 1873.

Houghton Scholarship—Endowed by the late Rev. Alphonso L. Houghton, A.M., of Lawrence, Mass., class of 1870.

Randall Scholarship—Endowed by Mrs. Abby Randall in memory of Isaac Randall, Esq., of Johnston, R. I.

Wiliamson Scholarship—Endowed by Elias W. Williamson, Esq., of Potters Landing, Md., in memory of his father, Rev. Stephen Williamson, of Stark.

Quinnam Scholarship—Endowed by the late Mrs. James Hobbs of Chicago, Ill., in memory of her father, Rev. Constant Quinnam.

Eaton Scholarship—Endowed by Mrs. Oliver H. Durrell of Cambridge, Mass., in memory of her father, Rev. Ebenezer G. Eaton of Lewiston.

Baldwin Scholarship—Endowed by the late B. C. Baldwin, Esq., of Lowell, Mass., in memory of his wife.

Bonney Scholarship—Endowed by Mrs. Harriet Cheney Bonney and Sherman G. Bonney, M.D., in memory of Calvin F. Bonney, M.D., of Manchester, N. H.

Frye Schoalrship—Endowed by the late Hon. William P. Frye, LL.D., of Lewiston.

Nutting Scholarship—Endowed by the late Lyman Nutting, Esq., of Lebanon, Pa., in memory of his sister, Mrs. Charlotte Nutting Chadbourne.

Ellis Scholarship—Endowed by the late Miss M. A. Wales of Boston, Mass., in memory of her pastor, Rev. Rufus Ellis, D.D.

Talpey Scholarship—Endowed by the late Hon. Charles W. Talpey of Farmington, N. H.

Thissell Scholarship—Endowed by the late Mrs. Abby T. Deering of Portland, in memory of Hon. John Thissell of Corinth.

Ward Scholarship—Endowed by Mrs. Mary E. Ward, in memory of her husband, Warren Ward, Esq., of Auburn.

Bean Scholarships—Three scholarships endowed by the late Cyrus E. Bean of Portland, in memory of his father, Cotton Bean of Limerick.

Small Scholarship—Endowed by James T. Small, Esq., of Lewiston, in memory of his son, Everett J. Small, class of 1889.

Dyer Scholarship—Endowed for the benefit of some student preparing for the Christian ministry, by the late Mrs. Irene M. Higgins, in memory of her parents, Mr. and Mrs. Jonah Dyer of Cape Elizabeth.

Page Scholarship—Endowed by the late Peter Page, Esq., of New York City.

Ramsey Scholarship—Endowed by the late Mrs. V. G. Ramsey of North Berwick, in memory of her husband, Rev. G. P. Ramsey.

Mathews Scholarship—Endowed by the late John M. Mathews, Esq., of Burlington, Vt., in memory of his daughter, Orissa Frances Mathews.

Perkins Scholarship—Endowed by the late Mrs. Moses W. Shapleigh of Ashland, N. H., in memory of her father, Rev. Thomas Perkins.

Woodbury Scholarship—Endowed by friends of the late Charles Woodbury of Boston, for the benefit of some Methodist student.

Harmon Scholarship—Endowed by the late Ivory W. Harmon of Newton Center, Mass., in memory of his son, Wallace Ivory Harmon.

Mary L. Stone Scholarship—Endowed by the late James S. Stone of Boston, Mass., in memory of his wife.

Jordan Scholarship—Endowed by Merrill Page and Emily Deering Jordan, in honor of Rev. Zachariah and Sabrina Page Jordan.

Clapp Scholarship—Endowed by the late Lucius Clapp, Esq., of Randolph, Mass.

Lovina Haines Haskell Scholarship—Endowed by the late Edwin B. Haskell of Boston, Mass.

Fiske Scholarship—Endowed by the late Elizabeth S. Fiske of Boston, Mass.

Rowe and Clarry Scholarships—Endowed by a bequest of Mrs. Emily H. C. Rowe, in memory of her daughter, Miss Emma F. Clarry, and affording free tuition to four young women, preference to be given to worthy students from Brooks, Me.

Dexter N. Richards Scholarship—Endowed by Mrs. L. M. Richards of Brookline, Mass., in memory of her husband.

Stetson Scholarship—Endowed by the late Amos W. Stetson of Boston, Mass.

John D. Philbrick Scholarship—Endowed by the late Mrs. John D. Philbrick.

William Wells Cate Scholarship—Endowed by Rev. C. E. Cate, D.D., of Providence, R. I., in memory of his brother.

E. S. Jordan Scholarship—Endowed by the late Mrs. Clara Stanton Jordan, in memory of her husband.

Foster Lee Randall Scholarship—Endowed by the late Foster Lee Randall of Lewiston.

Stanley Scholarship—Endowed by Ezra B. Stanley of Manchester, Mass.

David and Thankful Jordan Scholarship—Endowed by their children.

Hopkins Scholarship—Endowed by the late Augustus Hopkins, Esq., of Gardiner, Maine, preference to be given worthy students from Gardiner.

Herrick Scholarship—Endowed by the late Katherine Gardiner Herrick and by H. Adeliza Herrick of Lewiston, in memory of their parents, Samuel and Phebe H. Herrick, late of Northport, Me.

Tarbox Scholarship—Endowed by Oren Cheney Tarbox, M.D., Bates '80, in honor of his parents, Rev. Moses H. and Adrianna Weymouth Tarbox. Said scholarship to be applied for the aid of any deserving student, irrespective of age, color, sex or sect, preference being given, however, to a student contemplating the Christian ministry.

Osgood Scholarship—Endowed by Col. Charles H. Osgood of Lewiston, and Amy Elizabeth Hunter of Carbondale, Pa., in honor of their father and mother, Henry A. and Elizabeth H. Osgood, for the benefit of some young man or woman from the State of Maine.

Albina Elizabeth Goodspeed Scholarship—Endowed by Jessie L. Goodspeed, Gertrude C. Goodspeed, and Henry S. Goodspeed, of the city of New York, in memory of their mother, —preference in awarding the scholarship to be given to a woman student.

Class Scholarship—Endowed by the Class of 1887, descendants of members of the class to have the preference, when possible, in the benefits from the scholarship.

Arthur Sewall Whitehouse Scholarship—Endowed by the Class of 1875, in memory of their scholarly and beloved classmate, born August 25, 1853, died February 18, 1874.

Charles E. Moody Scholarship—Endowed by his sister, the late Frances S. Moody.

John P. Hilton Scholarship—Endowed by the late Mrs. Mary Hilton, of Cambridge, Mass., in memory of her husband.

Clara B. Perkins Scholarship—Endowed by the late Benjamin F. Perkins, of Bristol, N. H., in memory of his daughter.

Lucia Spring Scholarships—Five scholarships endowed by Miss Mary Isabella Corning, of East Hartford, Conn., in memory of her aunt, Miss Lucia Spring. These scholarships are primarily available for young women, but may be assigned to young men.

Herbert L. Bradford Scholarship—Endowed by his parents, Roscoe S. and Asenath J. Bradford, in memory of their son, Herbert Loring Bradford, who died in 1883 during the first term of his Freshman year at Bates,—for the benefit of a deserving young man.

Helen Hinkley Scholarship—Endowed by the late Miss Helen Hinkley, of Augusta, Maine, the preference, when possible, to be given some student from the Free Baptist Church in Augusta.

Beal Scholarship—Endowed by the late Mrs. Lurenda E. Beal in memory of her children, Alice Beal and Parker Beal, who were graduated from Bates College in 1891.

Thomas Martin Scholarship—Endowed by the wife and children of the late Thomas Martin, for years an honored Trustee of Bates.

Washington Lafayette Cooper Scholarship—Endowed by Mrs. Sarah D. Cooper, of New York, in memory of her husband.

Mary Rhoda Emery Scholarship—Endowed by the late Mrs. Ella Rhoda Emery in memory of her daughter, for the benefit of a deserving woman student.

Grenville Pike Emery Scholarship—Endowed by Grenville C. Emery, Bates '68, in memory of his son, for the benefit of a worthy young man.

Ellen Byron Scruton Scholarship—Endowed by the late Ellen Byron Scruton of Lewiston.

Prouty Scholarship—Endowed by Miss Annie B. Prouty, of Somersworth, N. H., in memory of her mother, Mrs. Martha A. (Legro) Prouty, to be given annually to some student, preferably a relative of the donor.

The Jennie R. Smith Scholarships—Five scholarships of $1,000 each, endowed by the late Hon. Oramandal Smith to perpetuate the memory of his wife.

Silas Curtis Scholarship—Endowed by the late Rev. Silas Curtis of Concord, N. H.

The Charles L. Hunt Scholarship—Endowed by the late Charles L. Hunt, of Gleasondale, Mass., Bates '72.

The Knowlton Scholarships—The late Hon. Hiram Knowlton of Portland, Maine, deposited with the Treasurer of the College $3,000, the income of which sum is to be used, when under the stipulated conditions it shall become available, for the maintenance of the following scholarships:

William and Mary Knowlton Scholarship—To perpetuate the names of his parents.

Sabrina Wood Knowlton Scholarship—To perpetuate the name of his wife.

William James Knowlton Scholarship—To perpetuate the name of his son.

Weber Scholarships—The Trustees, under the will of the late Frederick E. Weber of Boston, Mass., have been given five thousand dollars for the maintenance of Weber Scholarships, for the benefit of needy and deserving students at Bates College. It is a condition of the gift that one-half of the income shall be

added to the principal year by year; and that the remaining half only shall be used for the support of said scholarships.

Joseph S. Ricker Scholarship Fund—A fund of $10,000, the income of which is distributed in equal sums among ten deserving women students—the beneficiaries to be selected, whenever practicable, from different counties in Maine.

Bradstreet Fund—The late William W. Bradstreet, of Gardiner, Me., established a Trust Fund of $2,000, the income of which is to be used for the benefit of deserving students, under the direction of the President of the College, and in accordance with certain conditions specified in the trust.

Coe Scholarship—A scholarship of $3,000, endowed by Thomas Upham Coe, of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

Dana Estes Scholarship—A permanent scholarship of $2,500, endowed by the late Dana Estes, A.M., of Boston, the income to be awarded annually to some needy and deserving student.

Henrietta G. Fitz Scholarship—A scholarship of $1,500, endowed by Mrs. Henrietta G. Fitz, of Boston, the income to be awarded annually to some worthy graduate of Proctor Academy, Andover, N. H.

John Bartlett Kezar Scholarship—A scholarship of $2,000 endowed by Mrs. Nancy M. H. Kezar, of San Francisco, in memory of her son. In awarding this scholarship preference is to be given to a deserving student from Turner, Me.

Cyrus Greely Fund—From the estate of the late Cyrus Greely, the College has received $10,000,—the principal of said sum to be safely invested and to be known as the Cyrus Greely Fund, and the income thereof to be appropriated annually for the benefit of deserving students of Bates College, preference being given to students from Lewiston.

Nancy Chase Edgecomb Fund—Since the suspension in 1908 of Cobb Divinity School as a Department of Bates College and

the incorporation of certain of its courses with the work of the College there has been available "for and toward the maintenance and education" in the institution of "young men who are or who may be preparing themselves to preach the Gospel of Christ" or to engage in other kinds of Christian service, "and who need and who may need aid," the income of the Nancy Chase Edgecomb Fund. The amount of this income is at present about $740 annually. It is distributed by the Committee on Scholarships under the conditions above stated.

Student Loan Funds—From the estate of the late Mellen Bray, formerly of Newton, Mass., the College has received $4,000 to constitute "The Mellen Bray Student Loan Fund." From John W. Farwell, of Boston, the College has received $2,000 to constitute "The Lorenzo Gilman Howe Student Loan Fund." The income of the above funds may be loaned at the discretion of the President of the College to needy and worthy students.

To be eligible for Scholarships, students must maintain an average rank in their College studies of 85 per cent. To be eligible for any other form of Student Aid, applicants must maintain an average rank in their College studies of 70 per cent., if Freshmen, and of 75 per cent., if Sophomores, Juniors, or Seniors. Applicants for Student Aid of any kind must be of good character, must totally abstain from the use of intoxicants and of tobacco, must be economical in all their expenditures and obedient to all College laws and regulations, and must furnish annually a correct statement of income and expenses.

Applications for aid, except from new students, must be filled out on blanks furnished for the purpose and returned to the President's office by June 1, each year. New students will be furnished, upon application, with appropriate blanks. These must be filled out and returned to the President's Office by October 15.

PRIZES

FIRST—FOR GENERAL SCHOLARSHIP

To a young man and to a young woman of the Junior Class, prizes of TEN DOLLARS each.

To a young man and to a young woman of the Sophomore Class, prizes of EIGHT DOLLARS each.

To a young man and to a young woman of the Freshman Class, prizes of SIX DOLLARS each.

SECOND—FOR EXCELLENCE IN PUBLIC SPEAKING

In the Second Semester—To a young man and to a young woman of the Freshman Class, prizes of TEN DOLLARS each.

In the First Semester—To a young man and to a young woman of the Sophomore Class, prizes of TEN DOLLARS each.

Senior Exhibition—By means of a fund established in June, 1911, by Judge Oren Nelson Hilton, Bates 1871, of Denver, Colorado, a prize of THIRTY DOLLARS is available for the Senior whose part shall show the greatest excellence in thought, style, and delivery.

Commencement Week—To members of the Junior Class, one prize of FORTY-FIVE DOLLARS and one prize of THIRTY DOLLARS for original parts.

THIRD—FOR EXCELLENCE IN ENGLISH COMPOSITION

In the Second Semester—To a member of the Sophomore Class, a prize of TEN DOLLARS.

FOURTH—FOR EXCELLENCE IN GREEK

At the close of the first semester a prize of TEN DOLLARS each presented by Rev. W. Bertrand Stevens, of the class of 1906, to the young man in the Freshman Class, and to the young woman in the Freshman Class, who have done the best work in Greek.

FIFTH—FOR EXCELLENCE IN LATIN

At the close of the second semester a prize of TEN DOLLARS is presented by Dr. Daniel R. Hodgdon, of the class of 1908, to the student in the Junior Class who has done the best work in Latin.

SIXTH—FOR EXCELLENCE IN PUBLIC DEBATE

Second Semester—To a member of each division of the Sophomore Class, a prize of TEN DOLLARS.

Second Semester—The Champion Debate—Prizes amounting to TWENTY-FIVE DOLLARS; ten dollars for the best debate, and fifteen dollars to the best team. Six are chosen from the Sophomore Class to compete for these prizes.

Hon. F. M. Drew awards annually gold medals to men who win inter-collegiate debates.

SEVENTH—THE BRYANT PRIZE

Through the generosity of Mr. W. H. H. Bryant of Boston, Mass., a prize of FIFTY DOLLARS will be awarded annually to the member of the Senior Class who shall prepare the best essay upon "Arbitration instead of War."

PRIZES FOR 1917-1918

For the past year the prizes have been awarded as follows:

For General Scholarship—Wendell A. Harmon, Marion F. Lewis, '19; Clarence E. Walton, Marion G. Sanders, Marjorie E. Thomas, '20; Harold W. Manter, Theodora Dennison, '21.

For Public Speaking in 1918—Freshman, Hubert A. Allamby, Dorothy I. Haskell; Sophomore, Benjamin E. Mays, Ruth A. Clayter.

For Original Parts—1918—Charles P. Mayoh, Abbie C. Christensen, Helen C. Tracy.

For Senior Exhibition—Arthur E. Tarbell, '18.

For English Composition—Marjorie E. Thomas, '20.

For Excellence in Greek—Loys A. Wiles, Theodora Dennison, '21.

For Excellence in Latin—Dorothy C. Haskell, '19.

For Champion Debates, 1918—Louis A. Freedman, '20; best team: Louis A. Freedman, Arthur F. Lucas, Raymond E. Murphy, '20; Eloise F. Lane, '20; best team: Irene M. Bowman, Hattie B. Crockett, Vivian B. Edward, '20.

The Bryant Prize, 1918—Frank B. Quimby, '18.

The Coe Scholarship, 1918 (see p.000)—Cecil T. Holmes, '19.

In the Intercollegiate Debate with Massachusetts Agricultural College the winning team consisted of Frank B. Quimby, '18, Arthur E. Tarbell, '18, Clinton A. Drury, '19.

The members of the winning team received the F. M. Drew medals.

In the State Prohibition Contest Arthur E. Tarbell, '18, won first prize, the third time in succession that Bates has won first place.

For special proficiency in the work of any department, a student may receive an honorary appointment as assistant in that work. Such appointments for the present year are as follows: Argumentation, Marion C. Dunnells; Biology, Roy J. Campbell, William F. Lawrence, Charles E. Packard; Chemistry, Edwin W. Adams, Stephen P. Gould, Aubrey E. Snowe, William J. Connor, Clarence E. Walton; English, Dorothy C. Haskell, Cecil T. Holmes, Lillian C. Woodbury, Marjorie E. Thomas; Geology, Blanche M. Smith, Vida E. Stevens; Latin, Abbie C. Christensen; Mathematics, Tadashi Fujimoto, Mary H. Hodgdon, Sara W. Reed, Gladys W. Skelton, Clarence E. Walton, Donald K. Woodward; Public Speaking, Clinton A. Drury, Mary L. Newcomer, Helen C. Tracy; Physics, Carolyn E. Tarbell.

The staff of the *Bates Student* for 1919 is as follows: Editor-in-chief, Harvey B. Goddard; News department—Editors, Stanton H. Woodman, Clarence E. Walton, Oscar Voigtlander, Gladys L. Logan, Marion G. Sanders, Gertrude D. Sibley, Raymond A. Ebner; Magazine department—Literary editor, Marjorie E. Thomas; Editors, Dorothy I. Haskell, Charles H. Kirschbaum, Paul B. Potter, Elizabeth R. Williston; Business department—Manager, Wesley A. Small; Assistant Managers, Richard S. Buker, William H. Hodgman.

STUDENTS

SENIORS

NAME	RESIDENCE	ROOM
Adam, Albert Conrad	Hilkerode, Germany	R. W. H.
Adams, Edwin Wentworth	Auburn 22 Vernon St., Auburn	
Aikins, Lincoln James	South Windham	P. H.
Alkazin, David Yoseph	Old Orchard	Gymnasium
†Baker, Lewis Albert	Kennebunkport	
†Barrow, Birtill Thomas	Boston, Mass.	
Blaisdell, Alma Swartz	Lewiston 19 Riverside St.	
Blaisdell, Raymond Ward	East Franklin	P. H.
Boober, Raleigh Barton	Lee	
Boutelle, Horace Reginald	Amherst, N. H.	H. H.
Brewster, Edward Hersey	Auburn 24 High St., Auburn	
Bryant, Herman Adelbert	South Paris	P. H.
Campbell, Roy Jones	Sabattus	Sabattus
Canter, Benjamin Meyer	Albany, N. Y.	P. H.
Chappell, Anne May Jordan	Saco	W. H.
Christensen, Abbie Cecelia	Bangor	R. H.
Coates, Ralph Porter	Easthampton, Mass.	P. H.
†Creelman, Fred Norman	Suffield, Conn.	
Cummings, Ruth Anne	Belgrade	C. H.
Davidson, William Joseph	Gardiner	P. H.
†Dean, John Josiah	Sutton, Vt.	
Drury, Clinton Arthur	Alexandria, N. H.	P. H.
DuBourdieu, Marion	Dexter	R. H.
Dunnells, Marion Clifford	Cornish	R. H.
†Dyer, Robert Jean	Buckfield	
Elwell, Clarence Alton	West Buxton	P. H.
Farnham, Arloene	Auburn 68 James St., Auburn	
Fish, Freda	Turner Center	M. H.
Fujimoto, Tadashi	Chicago, Ill.	R. W. H.
*Gould, Barbara Pressey	Plymouth, N. H.	
Gould, Stephen Philip	Rockland	R. W. H.
Graves, Dora Frances	Exeter, N. H.	C. H.
Gregory, Charles Alfred	Southbridge, Mass.	P. H.
Hall, Mary King	Buckfield 380 Main St.	
†Hall, James Haviland Smith	New Rochelle, N. Y.	
*Hamlen, Charles Elmer	Lewiston	
Hartshorn, Gladys Emily	Milford, N. H.	R. H.
Haskell, Ada Louise	Auburn	R. H.

Haskell, Dorothy Clement	Lynn, Mass.	R. H.
Hayes, Eleanor Howland	Walnut Hill	M. H.
†Hobbs, Walden Porter	Allston, Mass.	
Hodgdon, Leonora Franke	Orland	R. H.
Hodgdon, Mary Hobbs	Rochester, N. H.	R. H.
Holmes, Cecil Thomas	Sangerville	R. W. H.
Holmes, Fred	Center Barnstead, N. H.	P. H.
Holmes, Gladys Elizabeth	Wolfeboro, N. H.	R. H.
Hopkins, Donald Wheeler	Greenfield, N. H.	P. H.
Hutchins, Hazel Emma	Portland 340 College St.	
*Irish, Burton Walter	Turner	
Jones, Sarah Evelyn	Winchendon, Mass.	R. H.
Jordan, Margaret Bradford	Auburn 91 Pleasant St., Auburn	
Keirstead, Edith Sophia	Andover, Mass.	R. H.
*Larkum, Newton Wheeler	Hartford, Conn.	
Lawrence, William Fuller	Leominster, Mass.	P. H.
Lewis, Marion Frances	South Easton, Mass.	R. H.
Marston, Barbara Hall	Auburn 124 Winter St., Auburn	
Maxim, Horace Charles	Pittsfield	P. H.
Mayoh, Charles Percy	Pawtucket, R. I.	P. H.
Millay, Ida Caroline	Bowdoinham	R. H.
Milliken, Vera Louise	Lewiston	C. H.
†Moulton, Edward Bailey	Auburn	
Neville, John Thomas	Malden. Mass.	P. H.
Packard, Charles Earl	Carmel	R. W. H.
Paul, Lila Helena	Auburn 71 Summer St.. Auburn	
Peacock, Elsie Arlene	Gardiner . 13 High St.	
Place, Carrie Myrtle	Fall River, Mass. 15 White St.	
†Potts, Harry Leavitt	Lynn, Mass.	
Powers, John Howard	Machias	P. H.
Purinton, Edwin Moore	Lewiston 36 Mountain Ave.	
Quackenbush, Dyke Lewis	Natick, Mass.	P. H.
Ryerson, Stanley Moulton	Auburn 147 Lake St., Auburn	
Sampson, Verdal Manley	Lewiston 10 Arch Ave.	
Sawyers, William Archibald	Westerly, R. I.	P. H.
Schafer, Reginald Mann	Lewiston 518 Main St.	
Reed, Sara Willard	East Orange, N. J.	R. H.
Severance, Ruth May	Saco	R. H.
Shapleigh, Doris Millicent	East Rochester, N. H.	R. H.
Sherer, Eva Louise	Rockland	C. H.
Skelton, Gladys Winifred	Portland	R. H.
Small, Maurice Lee	Portland 286 State St., Portland	
Smith, Blanche Marinda	Springvale	C. H.
Snowe, Aubrey Emmons	Litchfield	P. H.
Southey, Charles Lloyd	Riverside, R. I.	P. H.

Stetson, Gladys	Auburn 37 Highland Av., Auburn	
Stevens, Vida Edwina	Stoneham, Mass.	C. H.
Stillman, Harold Lewis	Saco	
Stoehr, Theresa	Sabattus	Sabattus
Stone, Frank Goodwin	Lisbon Falls	36 Mountain Ave.
Sullivan, James Herbert	Houlton	
Swasey, Sanford Lewis	Lincoln	P. H.
Talbot, Philip John	Gardiner	P. H.
Tarbell, Carolyn Elizabeth	South Lyndeboro, N. H.	C. H.
Tash, Lillian Harriet	Lewiston	Lisbon Road
Thibadeau, Charles Raymond	North Attleboro Mass.	P. H.
Thompson, Amy Adwyna	Biddeford	16 Frye St.
Tracy, Helen Cecelia	Lewiston	14 Bridge St.
Tseo, Carl Chang-Tze	Lewiston	173 Wood St.
Varney, Evelyn Mildred	Dover, N. H.	R. H.
Weeks, Lina Cordelia	Frye	250 College St.
Wells, Irene Ruth	Brooklin	R. H.
Williamson, Mary Phillips	Troy, N. Y.	R. H.
Wolfe, Izetta Rae	Gloucester, Mass.	R. H.
Woodbury, Lillian Catherina	Woodfords	R. H.
Wright, Ernestine Barker	Gardiner	R. H.

JUNIORS

NAME	RESIDENCE	ROOM
Arata, William	Bar Harbor	P. H.
Arey, Evelyn Winifred	Vinalhaven	C. H.
*Baldwin, Paul Squires	Stafford Springs, Conn.	
Barron, Julia Hopkins	Ellsworth	118 Pine St.
Blaisdell, Walter Halbert	Franklin	P. H.
Buker, Gerald Holden	Hampton, N. H.	133 College St.
*Burgess, Kendall Bancroft	Worcester, Mass.	
Burns, Ralph Arthur	Vinalhaven	P. H.
†Chamberlain, Frank Edward	Portland	
Churchill, Dorothy May	Phillips	R. H.
Connor, William Joseph	Lewiston	125 Pine St.
Crawford, Helen Winslow	Lancaster, N. H.	R. H.
Crockett, Hattie Bell	Lisbon	10 Riverside St.
†Dolloff, Albert Franklin	Lewiston	
*Dunlap, Annie Lillian	Richmond	
†Durost, Morley Johnson	Mars Hill	
Edward, Vivian Beryl	Portland	R. H.
Freedman, Louis Archie	Belfast	P. H.
Gadd, Edna Dorothy	Plymouth, N. H.	R. H.

Garrett, Ransome Joseph	Livermore Falls	P. H.
Goddard, Harvey Burton	Lewiston	P. H.
Goodall, Grace Mildred	Thomaston, Conn.	R. H.
Gould, Clarence Nelson	Greene	P. H.
†Greene, Victor Nichols	Vinalhaven	
*Gross, Leroy Calderwood	Vinalhaven	
Guptill, Philip Holmes	Deer Isle	P. H.
Hamilton, Marjorie Louise	Caribou	R. H.
Jackson, Vernice Ruth	Lisbon	126 Pine St.
†Jordan, Robert	Woodfords	
†Kennison, Paul Hartwell	Brownville	
Keyes, Rudolph Howard	Marlboro, Mass.	P. H.
Kirschbaum, Charles Hunt	New Bedford, Mass.	P. H.
Lamson, Josie Emerson	Addison	W. H.
Lane, Eloise Frances	Hampton, N. H.	R. H.
Lawson, Evangeline Baldwin	Southbridge, Mass.	C. H.
Lawson, George McLean	Middle Haddam, Conn.	R. W. H.
Logan, Gladys Lillian	South Portland	R. H.
Lucas, Arthur Fletcher	Auburn	5 Myrtle St., Auburn
McCallister, Ruth	Rochester, N. H.	9 Riverside St.
McKenzie, Ernest Alexander	Haverhill, Mass.	R. W. H.
May, Arlene Stevens	Portland	C. H.
Mays, Benjamin Elijah	Epworth, S. C.	P. H.
Moore, Priscilla	Lancaster, N. H.	R. H.
Mosher, James Earle	Belgrade	P. H.
*Moylan, Mary Gertrude	Port Jervis, N. Y.	
Murphy, Raymond Edward	Lewiston	38 Howe St.
†Neeley, James	Roxbury, Mass.	
Newcomer, Mary Louise	Harper's Ferry, W. Va.	R. H.
O'Donnell, Eugene Edward	Lubec	P. H.
Page, Agnes Fowler	Lewiston	203 College St.
Peterson, Edwin Thomas	Dorchester. Mass.	P. H.
Peterson, Myrtle Annie	Colebrook, N. H.	87 Wood St.
Philbrook, Laurence Weymouth	Auburn	P. H.
Pierce, Elinor Shirley	Auburn	104 High St., Auburn
Rice, Albion Ramsdell	West Lubec	P. H.
Ripley, Rachel Louise	Bucksport	C. H.
Sanders, Marion Gertrude	Dover, N. H.	R. H.
Sargent, Ida Louise	Newport, N. H.	368 College St.
Sibley, Gertrude Dorothy	Troy, N. H.	R. H.
Small, Wesley Alton	Stonington	R. W. H.
Soule, Mildred Arlene	Rumford	C. H.
Symmes, Eva Bernice	Franklin, Mass.	130 College St.
Tackaberry, Sara Christina	Lewiston	322 Bates St.

Taylor, Ida Alice	Rumford	18 White St.
Thomas, Marjorie Etta	Sumner	210 College St.
Tilton, Paul Josiah	Raymond, N. H.	R. W. H.
Tracy, Leighton Goodwin	Skowhegan	P. H.
Tracy, Olin Berry	Skowhegan	P. H.
Trask, Ervin Elverton	Clinton	P. H.
Voigtlander, Oscar	Ansonia, Conn.	R. W. H.
Walton, Clarence Eldon	Madison	P. H.
Weymouth, Ethel Marion	North Berwick	R. H.
Williston, Elizabeth Reifsnyder	Phillipsburg, N. J.	R. H.
Wood, Howard Douglas	Newcastle	174 Holland St.
Woodman, Stanton Howe	Portland	P. H.

SOPHOMORES

NAME	RESIDENCE	ROOM
Allen, Ruth Osgood	North Monmouth	R. H.
Anderson, Ida Mae	Island Falls	452 Main St.
Anderson, Winslow Samuel	Portland	P. H.
Bailey, Evelyn Mae	Brunswick	39 White St.
†Baker, Guy Sanford	Halifax, Mass.	
Barrow, Ellis Dale	Boston, Mass.	P. H.
Bartlett, Mary Elizabeth	Fremont, N. H.	M. H.
Bates, Marian Winnifred	Brookline, Mass.	M. H.
Belmore, Carl Warren	Wakefield, Mass.	P. H.
Bowie, Ruth Evelyn	Lewiston	83 Wood St.
Bowman, Irene Melita	Lewiston	44 Summer St.
Bowman, Vyvyan Mae	Lewiston	44 Summer St.
Bradley, Ruth Alfreda	Island Falls	M. H.
Brewster, Laura Eleanor	Portland	R. H.
Campbell, Warren Cameron	South Portland	P. H.
Carll, Crete Muriel	Waterboro	M. H.
†Case, George Asbury	Lewiston	
Chandler, Lois Aurora	Biddeford	M. H.
*Clifford, Earle Augustus	Winthrop	
Colburn, Ruth	Canaan, N. H.	M. H.
Connolly, Emma Marion	York Village	M. H.
Coombs, John Dexter	Lisbon Falls	P. H.
Cox, Cora Alice	Lubec	R. H.
Cusick, John Michael	Gardiner	P. H.
Cutler, Felix Vining	Medfield, Mass.	
Cutler, Minerva Elizabeth	Medfield, Mass.	M. H.
Dennison, Theodora	Dryden	M. H.

Doe, Caroline Mary	Rumney, N. H.	145 Nichols St.
Drake, John Francis	Lewiston	10 Wood St.
Duffett, Warren Alonzo	Framingham, Mass.	P. H.
Ebner, Raymond Anthony	Thomaston, Conn.	P. H.
Edwards, Mildred Pratt	Southington, Conn.	M. H.
Fairweather, Ethel Muriel	Portland	M. H.
Field, Clarence Alfred	Auburn	19 Williams St., Auburn
Findlen, Marguerite Helen	Fort Fairfield	M. H.
Fisher, Esther Emily	Lewiston	632 Main St.
Fisher, Ruth Katherine	Franklin, Mass.	R. H.
Fullerton, Thelma	Ellsworth	M. H.
Ganley, Arnold Lincoln	West Groton, Mass.	P. H.
Gould, Ray Selden	Lewiston	18 Horton St.
Haley, Mabel Vaughn	Sabattus	34 Davis St.
Hall, Gladys Florence	Manchester, N. H.	94 Googin St.
Hamilton, Mary Josephine	Lewiston	98 Walnut St.
Hamlen, Frank Henry	Lewiston	142 Wood St.
Haskell, Dorothy Irma	Auburn	38 Second Ave., Auburn
Hatch, Bernice Mildred	Plymouth, N. H.	C. H.
Hawkins, Eunice Irene	Lisbon, N. H.	M. H.
Healey, Agrandece Lactina	Pittsfield	M. H.
Hill, Marguerite Frances	Auburn	109 Summer St., Auburn
Hodgdon, Florence Eunice	Rochester, N. H.	M. H.
Hodgman, William Henry	Amherst, N. H.	P. H.
Huff, Eugene Alvin	Norridgewock	P. H.
Hughes, Edna Frances	South Portland	M. H.
*Jellison, George Benjamin	Kennebunk	
Johnson, Maynard Stickney	Brownville	P. H.
Jones, Katherine Hunt	Norway	R. H.
Jordan, Caroline Theresa	Lewiston	10 Bearce Ave.
†Julian, George Richard	Houlton	
†Kendall, Raymond Leon	Gardiner	
Knapp, Rachel Southwick	Lewiston	M. H.
Libbey, Ruth	Wolfeboro Falls, N. H.	M. H.
Lindquist, Florence Gertrude	Manchester, N. H.	M. H.
†McKenney, Harry Clifton	Gardiner	
McKinney, Roscoe Lewis	Washington, D. C.	P. H.
*Manter, Harold Winfred	Anson	
Menard, Marceline Eleanore	Pittsfield	691 Main St.
Merrill, Edna Leighton	Mechanic Falls	M. H.
Miller, Dorothy	South Berwick	36 Frye St.
Morrison, Isabella Fairley	Newtonville, Mass.	R. H.
Newell, Harry Severy	Turner	P. H.
Paris, Annabel Harriet	Wolfeboro Falls, N. H.	R. H.
Peterson, Charles Welch	South Portland	P. H.

Philbrook, Ernestine	Bethel	M. H.
Pike, Arlene	Rangeley	36 Frye St.
Pinkerton, Forest Raymond	Bowdoinham	P. H.
Rand, Carleton Hobart	Lewiston	82 Pierce St.
†Ribero, Edwin Francis	Franklin, Mass.	
†Rounds, Carl Pulsifer	Lewiston	
Roy, Gabrielle Marie	Lewiston	176 Pine St.
Sloan, Leona Mabelle	Norway	C. H.
Smith, Carl Ellsworth	Framingham, Mass.	P. H.
Spiller, Lee Russell	Wells	P. H.
Starbird, Charles Millard	Danville	Danville
Stetson, Charles Benjamin	Richmond	P. H.
Stevens, Charles Laurence	Stoneham, Mass.	R. W. H.
Stiles, Ruth	North Woodstock, N. H.	142 Wood St.
Stoehr, Marie	Sabattus	Sabattus
Trow, Margaret Sydney	Northampton, Mass.	M. H.
†Turner, Otto David	Jefferson	
VanVloten, Jacob	East Braintree, Mass.	P. H.
Walker, Constance Anna	Bridgton	M. H.
Warren, Marion Elizabeth	Auburn	M. H.
Webster, Millard Duston	Woolwich	R. W. H.
Weymouth, Clarice	Kingfield	20 Cottage St.
Whiting, Norma Valerie	Auburn	3 Josslyn St., Auburn
Widber, Mildred Clark	Portland	M. H.
Wight, Donald Gordon	Bolsters Mills	P. H.
Wiles, Loys Arthur	Groveton, N. H.	P. H.
Willard, Elmer Blanchard	Cape Elizabeth	R. W. H.
Wilson, Lauris Rogers	Bowdoinham	P. H.
†Winslow, Percy Raymond	West Falmouth	
Woodard, Donald Kenneth	New Bedford, Mass.	P. H.
Woodbury, Robert Isaac	Topsfield, Mass.	P. H.
†Woodward, Evan Albro	Marlborough, Mass.	
Yeaton, Evelyn Henrietta	Richmond	M. H.

FRESHMEN

NAME	RESIDENCE	ROOM
Allen, Clarence Everett	Holbrook, Mass.	R. W. H.
Armstrong, Marguerite Stanley	Lancaster, N. H.	112 Wood St.
Ashton, John William	Lewiston	82 Webster St.
Avery, Benjamin Waldo	Jefferson	R. W. H.
Bailey, William Oscar	Auburn	19 Dexter Ave., Auburn
Bates, Arthur Irving	Lewiston	73 College St.
Bell, Arthur Sidney	South Portland	P. H.

Blackmer, Mavorette Evelyn	Erving, Mass.	R. H.
Bowes, Muriel Gladys	Thomaston	W. H.
Bradford, Eleanor Rae	Buckland, Mass.	W. H.
Bradford, Harold	Livermore Falls	P. H.
Bryant, Homer Chenery	Portland 26 Mountain Ave.	
Buker, Raymond Bates	Hampton, N. H. 204 College St.	
Buker, Richard Steele	Hampton, N. H. 204 College St.	
Bumpus, Amos Francis	Turner	P. H.
Buote, Frank Albert	Roxbury	R. W. H.
Burgess, Alosco Manser	Auburn 19 Drummond St., Aub.	
Burgess, Llewellyn Allinson	Worcester, Mass.	P. H.
Carpenter, Roland Joy	Patten	R. W. H.
Cary, Mildred Methyl	Brockton, Mass. 46 Whitney St., Auburn	
Chadwick, Howard Lozeah	West Bridgewater, Mass.	P. H.
Chamberlain, Charles Elton	Upton, Mass.	R. W. H.
Chiplovitz, Solomon Samuel	Salem, Mass.	R. W. H.
Clark, Beatrice Astrea	Laconia, N. H.	W. H.
Clifford, Mary Alice	South Paris 36 Frye St.	
Clothey, Frederick Bateman	Auburn 157 Whitney St., Auburn	
Clothey, John Howard	Auburn 157 Whitney St., Auburn	
Coombs, Helen Amelia	Lewiston 106 Holland St.	
Cullens, Ruth	Groveland, Mass. 36 Frye St.	
Davis, Dorothea	Rochester, N. H.	W. H.
Deane, Almon Eugene	South Weymouth, Mass.	P. H.
Dearing, Gladys Inez	South Portland	W. H.
Dillon, Louis Michael	South Braintree, Mass.	P. H.
Dorner, Frank Joseph	Thomaston, Conn.	P. H.
Drew, Kathleen Gertrude	Littleton, Mass.	W. H.
Drew, Marion Agnes	Littleton, Mass.	W. H.
Earle, Maurice Lester	Litchfield	P. H.
Eaton, Blythe Meredith	Meredith, N. H.	P. H.
Emery, Howard Rodney	West Paris	P. H.
Everett, Olive Constance	Mars Hill	R. H.
Fernald, Florence Edna	Alfred	W. H.
Fieneman, Wilhelmina Anna	Farmington, Conn.	R. H.
Forbes, Clarence Allen	Colebrook, N. H.	R. W. H.
Forman, Frederick Inglis	East Northfield, Mass.	P. H.
Forrest, Helen Simpson Wright	Manchester, N. H. 36 Frye St.	
French, Carl Gardner	Everett, Mass.	P. H.
Frost, Florence Afton	Lewiston 82 Horton St.	
George, Grace Monroe	Manchester, N. H. 36 Frye St.	
Goding, Lucille Addie	Lewiston 349 Main St.	
Good, Gordon Robert	Upton, Mass.	R. W. H.
Gould, Grace Palmer	Lyndon Center, Vt. 36 Frye St.	
Gray, James	Lewiston, 394 Sabattus St.	

Griffin, Arthur Russell	South Portland	P. H.
Hall, Earl Warren	Augusta	P. H.
Hall, Harry Thomas	Buckfield	P. H.
Hanscom, Kathryn	Bethel	W. H.
Harriman, Edwin James	Lewiston	85 Pine St.
Harriman, Helen Julia	Lewiston	85 Pine St.
Harriman, Lester Boardman	Lewiston	85 Pine St.
Hayward, Maude Irma	Millbury, Mass.	R. H.
Heistad, Thordis Ambjorg	Camden	R. H.
Herling, Lilli Ella	Lewiston	89 King Ave.
Hinds, Thomas Edward	South Portland	P. H.
Hobart, Charles Harrison	South Braintree, Mass.	P. H.
Holt, Dorothy	Nutley, N. J.	W. H.
Hooper, Doris Eloise	Gorham	W. H.
Ineson, Frederica Ilsley	South Freeport	36 Frye St.
Irish, Frances Ellen	Turner	W. H.
Isaacson, Harris Myer	Auburn 19 Washington St.	Auburn
Jackman, Helen Beulah	Enfield, N. H.	R. H.
Jackson, Cleora Marguerite	Auburn 144 Spring St.,	Auburn
Johnson, Aaron Coburn	Stetson	P. H.
Johnson, Aurie Ivan	Buffalo, N. Y.	H. H.
Jones, Otis Norcross	Norway	P. H.
Judkins, Dorothy Albina	Lisbon	Lisbon
Kassay, John Janvari	Bridgeport, Conn.	R. W. H.
Kelley, Thomas Francis	Gardiner	P. H.
Kimball, Laurence Dustin	Bethel	R. W. H.
Knight, Rosalia Edgecomb	Turner Center	W. H.
LaCourse, Charles Milton	Rumford	P. H.
Laurance, Maude Adelia	Lewiston	72 Walnut St.
Leader, William John	Rumford	P. H.
Lesieur, Pierre Eugene Oscar	Rumford	P. H.
Libby, Dwight Eveleth	West Poland	R. W. H.
Lidstone, Izetta Elizabeth	Patten	36 Frye St.
Little, Mary Elizabeth	West Medford. Mass.	W. H.
Longley, Dorris	Norway	36 Frye St.
Lord, Kenneth Dorrance	Auburn 15 Vine St.,	Auburn
Lothrop, Doris Emma	Hallowell	36 Frye St.
Luce, Grace Hazel	Hallowell	W. H.
Luce, Leroy Clark	Somerset	P. H.
McAlister, Ralph Howard	West Paris	P. H.
McAlister, Valerie Flora	Lewiston	226 Oak St.
MacDonald, Esther	Manchester, N. H.	36 Frye St.
MacLean, Earle Charles	Everett, Mass.	P. H.
Magwood, Ethel Emroye	Vineyard Haven, Mass.	R. H.
Manser, Doris Ella	Auburn 115 Spring St.,	Auburn
Manson, George Walter	Gardiner	P. H.

Mansour, Alexander Elias	Lewiston	14 Lincoln St.
Marcotte, Lucien Xavier	Lewiston	110 Ash St.
†Marshall, Murray Linwood	Shirley, Mass.	
Mennealy, Arthur Booker	Lewiston	34 Sylvan Ave.
Minot, Frances Lydia	Belgrade	36 Frye St.
Mitchell, Lola Velma	Sabattus	226 College St.
Mixer, Martha Virginia	Norway	24 Frye St.
Moody, Henrietta	Auburn	93 Gamage Ave., Auburn
Moulton, Maynard Webster	Auburn	117 High St., Auburn
Naiman, George Jack	Randolph	R. W. H.
O'Brien, Katharine Elizabeth	Portland	W. H.
Parker, Joseph Lincoln	Cooksville, Md.	P. H.
Parsons, Alice Ruth	Gardiner	W. H.
Pearson, Esther Charlotte	Winthrop	36 Frye St.
Penny, Carl	Cliftondale, Mass.	P. H.
Perkins, Clifton Todd	Farmington, N. H.	R. W. H.
Perkins, Leon Winthrop	Ogunquit	P. H.
Perry, Elva May	Norway	36 Frye St.
Powers, Marion Cora	North Glenside, Penn.	W. H.
Richardson, Helen Mildred	Sabattus	W. H.
Rowe, Marion Verna	Auburn	40 Summit St., Auburn
Silk, Florence Domitella	Amesbury, Mass.	R. H.
Smith, Delora Alpen	Livermore Falls	36 Frye St.
Smith, Orie Lincoln	Dryden	R. W. H.
Snow, Pearl Ellen	Lisbon Falls	36 Frye St.
Starbird, Mildred Isabelle	Lewiston	392 Sabattus St.
Stevens, Philip Litchfield	Auburn	27 Shepley St., Auburn
Stickney, Edward Gatchell	North Sebago	P. H.
Stiles, Herbert Stanley	Readfield	R. W. H.
Stone, Olive Joyce	Norway	36 Frye St.
Sundelof, Herbert George William	Boston, Mass.	R. W. H.
Tarr, William Leonard	New Haven, Conn.	P. H.
Taylor, Alonzo	Pittsfield	Hotel Atwood
Taylor, Russell Peter	Rumford	P. H.
Thompson, David Dennett	Lewiston	30 White St.
Thompson, Frederick Paul	Gloucester, Mass.	P. H.
Tierney, Patrick Joseph	Biddeford	P. H.
Traver, Doris Evonne	Lowell, Mass.	R. H.
*Turner, Dwight Lyman	Jefferson	
Walden, Marjorie Frances	Greenland, N. H.	R. H.
Walker, Ralph Joseph	Marlboro, Mass.	P. H.
Watts, Robert Burnham	Portland	R. W. H.
Webber, Robert Emmond	Auburn	83 Pleasant St., Auburn
Whiting, Harold Burton	Auburn	Park Ave., Auburn

Whittier, Bertha Kay	East Walpole, Mass.	R. H.
Wills, Frances Muriel	Lewiston 143	Horton St.
Wills, Vivian Osca	Auburn	36 Frye St.
Wimersberger, Evelyn Georgiana	Auburn	R. H.
Wyman, Margaret Grey	Cumberland Center	W. H.
Wyman, Mildred Herrick	Cumberland Center	W. H.
Yeaton, Eleanore	Auburn 153 Whitney St.,	Auburn
Young, Carl Richard	Lewiston	48 Ash St.

**SPECIAL STUDENTS

NAME	RESIDENCE	ROOM
Bernard, Romeo Armand	Auburn 48 Third St.,	Auburn
Bond, Willard Francis	Braintree, Mass.	P. H.
Canter, Edward Averill	Gardiner	P. H.
Davis, Alfred Dudley	Rockland	P. H.
Dion, Maurice	Randolph	P. H.
Ebbett, Raymond Vincent	Caribou 147	Sabattus St.
Fabbri, Albert Sebastian	Litchfield, Conn.	P. H.
*Owen, Abram Emerson	West Lubec	
Potter, Paul Barber	Griswold, Conn.	P. H.
Smith, Maurice Preston	Meredith Center, N. H.	P. H.
†Stonier, James Edward	Gardiner	
Velonis, Arthur	Lewiston	P. H.
†White, Harry Jones	Jonesport	

**In the sense the words are used at some colleges Bates admits no "special students." Students of good character who are prepared to do college work, may be permitted to make a special selection of courses under the direction of the Committee on Registration. All students who can do so are advised to matriculate for a degree, and no one will be allowed to use the privilege here offered for the purpose of securing a merely nominal connection with the College. Special students are subject to the same regulations regarding attendance and examinations as candidates for degrees, and must take not less than fifteen hours of class-room work per week, No special student will be allowed to continue more than two years in college.

†In military or naval service.

*Absent during the year.

SUMMARY

Seniors	104
Juniors	75
Sophomores	105
Freshmen	150
Special Students	13
	447

H. H.—Hathorn Hall
R. W. H.—Roger Williams Hall
P. H.—Parker Hall
J. B. H.—John Bertram Hall
R. H.—Rand Hall
C. H.—Cheney House
M. H.—Milliken House
W. H.—Whittier House

*BATES S. A. T. C. UNIT

MILITARY STAFF OF S. A. T. C.

Ira Woodruff Black, First Lieutenant, Infantry, U. S. A., Commanding Officer.

Plimpton Guptill, Second Lieutenant, Infantry, U. S. A., Personnel Adjutant.

William Arthur Carr, Second Lieutenant, Infantry, U. S. A., Motor Transport and Mess Officer.

Clinton Jones Daggett, Second Lieutenant, Infantry, U. S. A., Athletic Officer and Physical Director.

Marshall Nairne Fulton, Second Lieutenant, Infantry, U. S. A., Assistant Personnel and Supply Officer.

Elton Olney Feeney, Second Lieutenant, Infantry, U. S. A., Rifle and Bayonet Instructor.

Herbert Sumner Sleeper, A.M., M.D., Army Contract Surgeon.

HEADQUARTERS, BATES COLLEGE.
STUDENTS' ARMY TRAINING CORPS,
LEWISTON, MAINE.

ROSTER
ARMY SECTION
NAVY SECTION

Acting Sergeants

First Sergeant

TALBOT, PHILIP J., Gardiner (Enrolled).

Quartermaster and Color Sergeant

MANTER, HAROLD W., Anson.

Mess Sergeant

SAWYERS, WILLIAM A., Westerly, R. I., Seaman 2/c.

Platoon Sergeants

First Platoon

HUFF, EUGENE A., Norridgewock (Enrolled).

GUPTILL, PHILIP H., Deer Isle.

*Demobilized December 21, 1918.

Second Platoon

BELMORE, CARL W., Wakefield, Mass. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18. Rejoined unit Nov. 23/18.

Third Platoon.

PHILBROOK, LAURENCE W., Auburn.

Sergeants

DORNER, FRANK J., Thomaston, Conn. Seaman 2/c.

HARRIMAN, EDWIN J., Lewiston. Seaman 2/c.

MILLETT, FOSTER M., Lisbon. Transferrred to C. O. T. S., Camp Lee, Va., Nov. 11/18.

JOHNSON, MAYNARD S., Brownville.

PENNY, CARL, Cliftondale, Mass. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18. Rejoined unit Nov. 23/18.

TRACY, OLIN B., Skowhegan.

TRASK, ERVIN E., Clinton.

WOOD, HOWARD D., Newcastle.

WOODWARD, DONALD K., New Bedford, Mass. Seaman, 2/c.

Acting Corporals

ASHTON, JOHN W., Lewiston. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18. Rejoined unit Nov. 23/18.

BUKER, RAYMOND B., Hampton, N. H.

CANTER, EDWARD A., Gardiner.

CARRIER, EMILE J., Rumford. Bugler.

DOUGHTY, JOHN T., Gray.

FARNHAM, FOREST H., Auburn.

GETCHELLL, WELLINGTON C.. Auburn. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18.

GRIFFIN, ARTHUR R., So. Portland.

GROSS, LEROY C., Vinalhaven.

HAMLEN, CHARLES E., Lewiston. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18.

HINDS, THOMAS E., So. Portland. Headquarters Clerk and Orderly.

JOHNSON, AURIE I., Everett, Mass.
KIRSCHBAUM, CHARLES H., New Bedford, Mass.
LAWSON, GEORGE M., Middle Haddam, Conn. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18. Rejoined unit Nov. 23/18.
MAY, HAROLD J., Oneonta, N. Y.
MOSHER, JAMES E., Belgrade. Seaman 1/c.
RENY, EDMUND A., Biddeford.
SOUTHEY, CHARLES L., Riverside, R. I. Seaman, 2/c.
STETSON, CHARLES B., Richmond. Seaman 2/c.
STILES, HERBERT S., Readfield. Headquarters Clerk.
THOMPSON, DAVID D., Lewiston.
THOMPSON, FREDERICK P., Gloucester, Mass.
WALTON, CLARENCE E., Madison.

Privates

AIKINS, LINCOLN J., So. Windham.
ANDERSON, WINSLOW S., Portland.
ANNIS, ROGER K. U., Deer Isle.
ARATA, WILLIAM E., Bar Harbor (Enrolled).
AUSTIN, OLIVER D., Sabattus.
BAILEY, WILLIAM O., Auburn.
BERNARD, ROMEO A., Auburn.
BLAISDELL, WALTER H., Franklin.
BOND, WILLARD F., Braintree, Mass. Appr. Seaman.
BRADFORD, HAROLD L., Livermore Falls.
BRYANT, BENJAMIN A., Jefferson (Enrolled).
BRYANT, HERMAN A., So. Paris.
BUKER, GERALD H., Hampton, N. H.
BUKER, RICHARD S., Hampton, N. H.
BUMPUS, AMOS F., Turner.
BURGESS, KENDALL B., Worcester, Mass.
BURGESS, LLEWELLYN A., Worcester, Mass. (Enrolled).
CAMPBELL, WARREN C., So. Portland. (Enrolled).
CARPENTER, ROLAND J., Patten.
CHADWICK, HOWARD L., West Bridgewater, Mass.
CHILDS, RAYMOND E., Upton, Mass.

CLIFFORD, EARLE A., Winthrop.
CLOTHEY, FREDERICK B., Auburn.
COATES, RALPH P., Easthampton, Mass. Seaman 2/c.
COBB, CLIFFORD R., Poland.
CONANT, HOWARD L., West Paris.
CONNOR, WILLIAM J., Lewiston.
COOMBS, JOHN D., Lisbon Falls.
DAVIS, ALFRED D., Rockland.
DEANE, ALMON E., So. Weymouth, Mass.
DILLON, LOUIS M., Everett, Mass.
DION, MAURICE, Randolph.
EARLE, MAURICE L., Litchfield.
EATON, BLYTHE M., Meredith, N. H.
EBNER, RAYMOND A., Thomaston, Conn.
FABBRI, ALBERT S., Litchfield, Conn.
FIELD, CLARENCE A., Auburn.
FOSTER, EVERETT K., Dixfield.
FOWLER, GEORGE L., Monmouth.
FREDIN, ALLAN B., Brownville.
FRENCH, ARTHUR L., Turner.
FRENCH, CARL G., Everett, Mass.
GANLEY, ARNOLD L., West Groton, Mass.
GARRETT, RANSOME J., Livermore Falls. Seaman 2/c.
GODDARD, HARVEY B., Lewiston.
GRAY, JAMES, JR., Lewiston.
GREGORY, CHARLES A., Southbridge, Mass. Seaman 1/c.
HALL, EARL W., Augusta.
HALL, HARRY T., Buckfield.
HANSCOM, FRED C., Casco.
HARRIMAN, LESTER B., Lewiston. Seaman 2/c.
HEAD, PAUL B., Bethel.
HEALD, ROLAND A., Greene.
HOBART, CHARLES H., So. Braintree, Mass. (Enrolled).
HODGMAN, WILLIAM H., Amherst, N. H.
HOWARD, DANIEL J., Mexico.
IRISH, BURTON W., Turner.
JOHNSON, CLARE M., Canton.

JONES, OTIS N., Norway.
JORDAN, CLIFFORD R., Mechanic Falls.
KEENE, JAMES L., Danville.
KENT, IVAN E., Rowley, Mass.
KEYES, RUDOLPH H., Marlboro, Mass.
KLAIN, DAVID A., Norway.
LARKUM, NEWTON W., Hartford, Conn.
LESIEUR, PIERRE-EUGENE O., Rumford.
LIBBY, DWIGHT E., West Poland.
LUCE, LEROY C., Somerset.
LYNCH, HARRY B., Thomaston, Conn.
MACAULAY, AUSTIN A. Littleton, N. H. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18.
MacBETH ALEXANDER, Providence, R. I.
MACHLE, EDWARD P., Togus. Transferred to U. S. Military Academy, West Point, Nov. 1/18.
MANSON, GEORGE W., Gardiner.
MANSOUR, ALEXANDER E., Lewiston.
MARCOTTE, LUCIEN X., Lewiston.
MARTIN, STANLEY S., Dexter.
MAYOH, CHARLES P., Pawtucket, R. I. Seaman 2/c.
McALISTER, RALPH H., West Paris.
McGINLEY, FRANK F., So. Paris (Enrolled).
McKINNEY, ROSCOE L., Washington, D. C.
MENNEALY, ARTHUR B., Lewiston.
MERRILL, EVERETT C., Littleton, N. H.
MORONG, HAROLD L., Portland.
MORSE, WILLIAM H., Lisbon Center.
MOUNTFORT, CARROLL W., So. Portland.
MURPHY, RAYMOND E., Lewiston.
MURRAY, WILLIAM J., Mill River, Mass.
NEWELL, HARRY S., Turner, Seaman 2/c.
OWEN, ABRAM E., West Lubec (Enrolled).
PAGE, ORAL D., Belgrade.
PARKER, JOSEPH L., Cooksville, Md.
PEDBREZNAK, JOHN J., Ansonia, Conn.
PERKINS, LEON W., Ogunquit.

PETERSON, CHARLES W.. So. Portland. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18. Rejoined unit Nov. 23/18.
PINKERTON, FOREST R., Bowdoinham.
POTTER, PAUL B., Griswold, Conn.
RAND, CARLETON H., Lewiston (Enrolled).
RICE, ALBION R., West Lubec.
ROWE, ALTON G., Brewer.
RUFF, BRUCE L., Rumford. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18. Rejoined unit Nov. 23/18.
RUSSELL, LIONEL J., Buckfield.
SCHAFER, REGINALD M., Lewiston.
SLOANE, ROGER T., Bethel.
SMITH, CARL E., Dixfield. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18.
SNOWE, AUBREY E., Litchfield. Seaman 2/c.
SPILLER, LEE R., Wells.
STARBIRD, CHARLES M., Danville.
STEVENS, CHARLES N., West Paris.
STICKNEY, EDWARD G., No. Sebago.
SWASEY, SANFORD L., Lincoln. Seaman 2/c.
TASH, RAYMOND C., Lewiston. Bugler.
TAYLOR, ALONZO, Pittsfield.
THIBADEAU, CHARLES R., North Attleboro, Mass. (Enrolled).
TURNER, DWIGHT L., Jefferson.
VAN VLOTEN, JACOB, E. Braintree, Mass. Transferred to C. O. T. S., Camp Lee, Va., Nov. 11/18. Rejoined unit Nov. 23/18.
VAYO, HAROLD E., Brewer.
VELONIS, ARTHUR, Lewiston.
WADE, ROBERT G., Rockland, Mass.
WALTZ, STANLEY G., Waldoboro.
WEEKS, JOHN R., Meredith, N. H. (Enrolled).
WHITEHOUSE, RALPH M., Fort Fairfield. Seaman 2/c.
WHITING, HAROLD B., Auburn.
WHYTE, ROBERT M., Byron.
WILES, LOYS A., Groveton, N. H.

WILLARD, ELMER B., Cape Elizabeth.
WINSLOW, FRED M., Auburn. Appr. Seaman.
WOODBURY, HENRY J., Auburn. Transferred to U. S. Military Academy, West Point, Nov. 3/18.
WORMLIGHT, VERNER J., Wayne.
YOUNG, CARL R., Lewiston.

INFLUENCE OF THE S. A. T. C.

The question naturally arises: What has been the effect upon our higher institutions of learning of the installation of a system of instruction and training so largely military? Obviously, the general life of the colleges, the courses of study, and the methods of instruction have been greatly modified. The ends and aims of institutions established and carried on to promote general culture and the harmonious development of the moral and intellectual powers, with a view to preparation for complete living, and the single definite purpose to impart to young men that specific knowledge and discipline which should equip them for efficient service as army officers are widely different and in sharp contrast; and should all our colleges become military schools, the disappearance of the type of men all round, broadly educated, sympathetic, truth seeking, problem solving, service rendering, and unselfishly appreciative of all things beautiful and good would inevitably follow. But the experiment in military training conducted in the units at the various colleges has been so brief and so modified by wholesome cultural influences and traditions embodied in the life of every true college and fostered by companionship with true scholars and genuine lovers of learning for its own sake, that there has been no serious sacrifice of ideals. And probably not a few of the young men have so felt the charm of college life that they will choose to continue their studies under the old, liberalizing methods, with a finer perception of its higher meanings and uses.

At Bates, at least, it may be believed that the brief period of military discipline—with its insistence upon unhesitating obedience, strict hygiene, unquestioning respect for authority, prompt courtesy, instant attention, disdain for ease, and a new ideal of

graceful and manly bearing—has yielded results in character, purpose, and efficiency that will be cherished and retained through life.

There have been in all, including about 20 naval reservists, 170 men in the Bates S. A. T. C. The present number is 150. Of these it is expected that when demobilization occurs, about 70 will withdraw from college, most of them probably for financial reasons. The entire withdrawal of government aid to students will issue in necessities that they had not contemplated. Some undoubtedly will ultimately return to college as regular candidates for degrees.

The relations between the Commandant, with his Aides, and the President and Faculty of the College have been almost absolutely harmonious and agreeable. Bates has felt herself exceptionally favored in the Commanding Officer. From the outset he has cheerfully co-operated with the President to maintain the college morale and the distinctive ethical ideals and the unique individuality of Bates. The members of the Faculty have been happy in the consciousness that in their intercourse with the Commandant and his five Lieutenants they were dealing with gentlemen. The active acquaintance that has been so prized may cease but it is believed that the warm friendship will continue.

The daily attendance of the soldier students at Prayers, with Commandant Black beside the President on the platform, has been a most wholesome influence and a constant inspiration. The marching into and out of chapel in military form has been most impressive. The brief daily services have been characterized by a reverence that all have felt and that has expressed itself in the bearing of all the members of the student body—soldiers, civilians, and young women. It may be hoped that chapel services at Bates may forever be more serious, sincere, truly devotional, and in every way helpful by reason of the S. A. T. C.

While the Government will undoubtedly do all that may be consistent in helping Bates to meet the financial loss that must be sustained through this sudden and wholly unexpected demobilization of her S. A. T. C., it is certain that the year will be exceptionally, severely trying, by reason of the changes that will at once largely increase expenditures and diminish receipts.

GRADUATES OF 1918

BACHELORS OF ARTS

Ballard, Cora Blanche
Barton, Dorothy Perry
Boothby, Helena Mae
Brewer, Annie May
Burr, Beatrice Goulding
Canfield, Herbert William
Chapman, Ruth Mowry
Clark, Helen Salome
Clifford, Stephen Parsons
Coleman, Julian Dorster
Currier, George Franklin
Currier, Vina Judith
Davis, Donald Walter
DeWolfe, Hilda Hazel
†DeWolfe, Ralph Waldo Emerson
Drake, Martha Emma
Dresser, Ruth Elinor
Edgecomb, Charles Freeman
Emerson, Irma Hazeldean
Faller, Ruth Mathilda
Findlen, Mabel Catherine
Fitts, Clara Emma
Fogg, Marion Bernice
Garland, Richard Foss
George, Ralph William
†Gleave, Harold Webster
Googins, Frank James
Gould, Ralph Bernard
Graham, Agnes Wooley
Haggett, Ethel Mae
Harvey, Alice Myrtle
Haskell, Alfreda Maria
Haskell, Doris Marion
Mrs. Rose Alma Hilton Howe
(as of the Class of 1888)
Hussey, Evelyn May
Hussey, Mary Elizabeth
Ingersoll, Doris Faye
Jacobs, Mary Hawes
Judkins, Carol Ellen
Junkins, Mildred Bell
Kneeland, Dexter Raymond
Knight, Elton Edgecomb
Leathers, Annie Lillian
Libby, Mabel Lois
Losier, Amy Alice
McCann, Genevieve Beatrice
McIntire, Myrtle Mildred
McKeen, John Henry
Malouf, Naseeb Mahfoud
Mansfield, Laura Helen
Manter, Keturah Houghton
Moore, Nellie Ladd
Oakes, Marjorie Grace
†Phelan, Martin Goulding
Phillips, Esther
Quimby, Frank Brooks
Randall, Agnes Muriel
Robinson, Inez Margaret
Schafer, Miriam Lucile
Shibles, Madeliene Marieta
Smith, Etta Ruth
Swett, Donald Benjamin
Tarbell, Arthur Elwood
Taylor, Harold Everett
Tinker, Mildred Stanley
True, Frances Hazel
Wheeler, Mildred Gladys
White, Marjorie
Williston, Edward Bradford
Witham, Lewis Winfield
Wright, Blanche Leavitt

BACHELORS OF SCIENCE

Cunningham, Franklin Samuel
Duffett, Simeon Lester
*Duncan, George James
*Fowler, Roy Ulrick
Green, Joseph Arthur
Kempton, Donald Eugene
Lowell, William Arthur
Neville, William Maurice
Norton, Floyd Wilson
Reed, Payson Hollis
Renwick, Erle Bingham
†Ross, Robert Laurence
Stevens, Donald Bartlett
Shattuck, James Pascel
Stinson, Mark Emery
†Strout, Harold Arthur
*Swift, David Brewster
Thurston, Cecil Alancey
Townsend, Myron Thomas
White, Merton Curtis
Woodcock, Karl Stanley

FORMER MEMBERS NOW IN ACTIVE MILITARY SERVICE

Baker, Lewis Albert
Barrow, Birtill Thomas
Boober, Raleigh Barton
Boutelle, Horace Reginald
Creelman, Fred Norman
Davidson, William Joseph
Dyer, Robert Jean
Gould, Clarence Nelson
Haines, Alfred James
Hall, James Haviland Smith
Hobbs, Walden Porter
Holmes, Fred
Hopkins, Donald Wheeler
Kennedy, Frank Edward
Knowles, Sylvester Bishop
Lawrence, William Fuller
Moulton, Edward Bailey
Neville, John Thomas
Quackenbush, Dyke Lewis
Ryerson, Stanley Moulton
Sullivan, James Herbert
Taylor, Hazen Stanley

*Granting of diploma deferred until certain deficiencies are made up.

†Excused from Commencement to enter upon military service.

MASTER OF ARTS, *pro merito*

Ellen May Aikins, '17

HONORARY DEGREES

Doctor of Laws

Kenneth Charles Morton Sills

George Edwin Smith, '73

Doctor of Music

William Charles Macfarlane

Doctor of Divinity

Rev. William Joseph Twort

Master of Arts, *honoris causa*

Adelbert Millett, M.D

COMMENCEMENT HONORS

IN LANGUAGE AND LITERATURE

Cora Blanche Ballard
Hilda Hazel DeWolfe
Ralph William George
Evelyn May Hussey
Esther Phillips
Donald Benjamin Swett

IN PHILOSOPHY

Annie May Brewer
Ruth Elinor Dresser
Frank Brooks Quimby
Arthur Elwood Tarbell
Mildred Stanley Tinker

IN SCIENCE

Beatrice Goulding Burr
Martha Emma Drake
Mabel Lois Libby
Robert Laurence Ross
Mark Emery Stinson
Harold Arthur Strout
Karl Stanley Woodcock

MEMBERSHIP IN DELTA SIGMA RHO

1919

Clinton Arthur Drury

MEMBERSHIP IN PHI BETA KAPPA

1918

Cora Blanche Ballard
Beatrice Goulding Burr
Martha Emma Drake

Evelyn May Hussey
Esther Phillips
Ralph William George
Frank Brooks Quimby
Arthur Elwood Tarbell
Mark Emery Stinson
Karl Stanley Woodcock

ALUMNI ASSOCIATIONS

THE ALUMNI ASSOCIATION OF BATES COLLEGE

President, WHITEFIELD N. THOMPSON, M.D., '88, Hartford, Conn.

First Vice-President, MRS. EDITH H. WHEELER, '99, South Paris, Me.

Second Vice-President, ALBERT F. GILMORE, '92, New York City.

Third Vice-President, RALPH A. GOODWIN, M.D., '08, Auburn, Me.

Secretary-Treasurer, JOHN L. READE, '83, Lewiston, Me.

Executive Committee, HENRY W. OAKES, '77, Auburn, Me., MISS EDNA CORNFORTH, '03, Auburn, Me., FRANK H. THURSTON, '06, Lewiston, Me.

BOSTON ASSOCIATION

President, CLAIR E. TURNER, '12, Boston, Mass.

Vice-President, DANIEL J. MAHONEY, M.D., '06, Roxbury, Mass.

Secretary, MILES GREENWOOD, '91, Melrose, Mass.

NEW YORK ASSOCIATION

President, ALBERT F. GILMORE, '92, 52 Vanderbilt Avenue, New York City.

**Secretary,* HOYT H. TUCKER, '83, Newark, N. J.

Treasurer, GEORGE W. THOMAS, ESQ., '96, 100 Broadway, New York City.

CHENEY CLUB

(New Hampshire Alumni Association)

President, HENRY G. BLOUNT, '06, Pembroke, N. H.

Vice-President, MRS. MARION A. MOONEY, '05. Manchester, N. H.

Secretary-Treasurer, MISS MARY W. CROSS, '96, Franklin, N. H.

*Deceased.

STANTON CLUB

(Maine Alumni Association)

President, Alton C. Wheeler, '88, South Paris, Me.

Vice-President, Oliver B. Clason, '77, Gardiner, Me.

Secretary-Treasurer, Harry W. Rowe, '12, Lewiston, Me.

Executive Committee, George M. Chase, '93, Lena M. Niles, '10, Hazel A. Mitchell, '16, Fred H. Lancaster, '09, Louis B. Costello, '98, Ivan E. Lang, '02.

CONNECTICUT VALLEY ASSOCIATION

President, Ernest W. Small, '93, Thomaston, Conn.

Vice-President, Le Roy B. Fraser, '08, Hartford, Conn.

Secretary-Treasurer, Grace V. Thompson, '04, Hartford, Conn.

RHODE ISLAND ASSOCIATION

President, Leroy G. Staples, '00, Warren, R. I.

First Vice-President, Albert H. Miller, M.D., '94, Providence, R. I.

Second Vice-President, Dennett L. Richardson, M.D., '00, Providence, R. I.

Secretary, Harry H. Lowry, '12, Providence, R. I.

Treasurer, Horace F. Turner, '11, Danielson, Conn.

MINNESOTA ASSOCIATION

Committeee on permanent organization, Edwin A. Merrill, '86, Minneapolis; George H. Wyman, '77, Anoka; Mrs. Lillian L. Bass, '02, Minneapolis.

AROOSTOOK COUNTY ASSOCIATION

President, Clarence H. Brown, '12, Island Falls, Me.

Vice-President, Mrs. Isadore H. Stevens, '10, Presque Isle, Me.

Secretary-Treasurer, Bessie H. Cooper, '04, Presque Isle, Me.

OCEAN PARK ASSOCIATION

President, Lyman G. Jordan, '70, Lewiston, Me.
Secretary-Treasurer, Mrs. Ellen S. Hall, '90, Old Orchard, Me.
Chairman Executive Committee, William E. C. Rich, '70, Ocean Park, Me.

WORCESTER ASSOCIATION

President, George G. Sampson, '05, Worcester, Mass.
Vice-President, Nellie S. Nutting, '10, West Boylston, Mass.
Secretary-Treasurer, Mrs. Mary Angell Lincoln, '90, Worcester, Mass.

OXFORD COUNTY ASSOCIATION

President, George A. Hutchins, '99, Rumford, Me.
Secretary-Treasurer, Shirley J. Rawson, '14, Ridlonville, Me.

KENNEBEC COUNTY ASSOCIATION

President, Albert M. Spear, '75, Gardiner, Me.
Vice-President, Ernest L. McLean, '02, Augusta, Me.
Secretary, E. J. Hatch, '94, Augusta, Me.
Treasurer, Grace M. Lewis, '11, Gardiner, Me.

OFFICERS OF DELTA SIGMA RHO

President, Clarence P. Quimby, '10, Portland, Me.
Vice-President, Charles P. Mayoh, '19, Pawtucket, R. I.
Secretary-Treasurer, Harry W. Rowe, '12, Lewiston, Me.
Executive Committee, The Officers; Clinton A. Drury, '19, East Haverhill. N. H.; Prof. Albert C. Baird, Lewiston, Me.

OFFICERS OF PHI BETA KAPPA

President, George C. Chase, Bates, '68.
Vice-President, Lyman G. Jordan, Bates '70.
Secretary-Treasurer, Arthur N. Leonard, Brown, '92.

INDEX

	PAGE
Absence from Recitations	93
Admission Groups	33–34
Admission, Terms of	17-39
Advisers	94
Alumni Associations	157–159
Annuity Bond, Form of	120
Astronomy, Courses in	41
Athletic Associations	111
Athletic Field	109
Bacteriology, Courses in	70
Bates Bulletin	115
Bates Student	115
Bequest, Form of	120
Biblical Literature and Religion, Courses in	41–43
Bills	96
Biology, Courses in	43–46
Botany, Courses in	47
Buildings	100–109
Cabinets, Botanical	101
Ornithological	101
Calendars	2–4
Carnegie Foundation	118
Carnegie Science Hall	99–102
Cercle Français	111
Chapel	98
Chase Hall	107–108
Chemistry, Courses in	47–49
Laboratory	99
Christian Associations	113–114
Christian Ethics, Courses in	75
College, Character of	6
Foundation	5
College, Needs of	119
Reasons for Aiding	118
Resources of	116
Services of	117
College Magazine	115
College Publications	115
Commencement Honors	155–156
Committees, Corporation	10–11
Faculty	15–16
Coram Library	102–104
Corporation	8
Courses of Instruction	40–83
Debates, Intercollegiate	132
Prizes for	132
Sophomore	56
Degrees	89
Degrees, Requirements for	89–91
Delta Sigma Rho	112, 155, 159
Deutsche Gesellschaft	111
Deutscher Verein	111
Dormitories	
Frye Street House	107
John Bertram Hall	106
Milliken House	107
Parker Hall	105
President's House	104
Rand Hall	106
Roger Williams Hall	105
Whittier House	107
Economics, Courses in	49–51
Editors of Bates Student	132
Education, Courses in	52–54

PAGE

Electrical Engineering, Courses in 78
Employment Bureau 15
English, Courses in 54–57
Ethics, Courses in 75–76
Examinations 35, 36, 94
Excuses 93
Expenses 95–96
Faculty 12–14
Faculty, Committees of 15–16
Fellows, Board of 8
Fine Arts, Courses in 57
Forestry, Courses in 58–60
Foundation of College 5
French, Courses in 60–62
Geology, Courses in 62–63
George Colby Chase Lecture Fund 115–116
German, Courses in 63–65
Government, Courses in 69
Graduates of 1918 153–154
Greek, Courses in 66–67
Group Arrangement of Studies 90
Gymnasiums 108
Halls, Chase 107
Hathorn 99
Parker 105
Roger Williams 105
John Bertram 106
Rand 106
Health of Students 94
Heating Plant 108
Hebrew, Courses in 42
Hedge Laboratory 99
History, Courses in 68–69
History of Religions, Courses in 42

PAGE

Honors 91
Honors, Commencement 155-156
Household Economics, Courses in 70
Hygiene, Courses in 81–83
John Bertram Hall 106
Jordan Scientific Society 110
Laboratory Fees 96
Latin, Courses in 71–72
Lectures and Addresses 115
Libbey Forum 104
Library, Coram 102–104
Literary Societies 110
Logic, Courses in 76
Magazine, Bates Student 115
Majors and Minors 91
Mathematics, Courses in 73–74
Mechanical Drawing, Courses in 78–79
Milliken House 107
Musical Clubs 111
Needs of the College 119
Oculists 81
Ornithology, Courses in 47
Outdoor Running Track 109
Outline of Studies 84–88
Overseers, Board of 9–10
Parker Hall 105
Phi Beta Kappa 112, 159
Phil-Hellenic Club 110
Philosophy, Courses in 75–76
Physical Training, Courses in 81–83
Physics, Courses in 76–78
Physiology, Courses in 81–83
Politics Club 110
President's House 104

	PAGE
Press Club	111
Prizes	130–132
Prohibition Association	111
Psychology, Courses in	75
Public Service of Bates	117
Public Speaking, Courses in	79–80
Rand Hall	106
Rank Bills	94
Registration	93
Religions, Courses in History of	41
Religious Education, Courses in	41–43
Religious Life	112
Requirements for Degrees	89–91
Resources	116
Roger Williams Hall	105
Roster of S. A. T. C. Unit	145–151
Running Track	109
S. A. T. C. Unit	145–151
S. A. T. C. Unit, Influence of	151–152
Scholarships	122–129
Scientific Societies	110
Sociology, Courses in	51
Spanish, Courses in	80
Spofford Literary Club	110
Student Advisers	94
Students	133–144
Studies, Outline of	84–88
Tennis Courts	109
Trustees	8–10
Tuition	95–96
University Extension	116
Whittier House	107
Zoölogy, Courses in	45–46

UNIVERSITY OF ILLINOIS

BATES COLLEGE

BULLETIN

UNIVERSITY OF ILLINOIS LIBRARY

ANNUAL CATALOGUE

1919—1920

Seventeenth Series Number 1 December 1, 1919
Lewiston, Maine

The Bulletin of Bates College is published by the College four times a year. Entered at the Post Office at Lewiston, Maine, as second-class mail matter, under the provisions of the Act of July 16, 1894.

JAN 5 1920

BATES COLLEGE

LEWISTON, MAINE

1919-1920

1919

JULY

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

AUGUST

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

SEPTEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..	..	..	..	..	..	..

OCTOBER

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

NOVEMBER

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

DECEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

1920

JANUARY

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

FEBRUARY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	..	..	..	..	..	..
..	..	..	..	..	..	..

MARCH

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

APRIL

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..	..	..	..	..	..	..

MAY

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

JUNE

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..	..	..	..	..	..	..

JULY

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

AUGUST

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

SEPTEMBER

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

OCTOBER

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

NOVEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..	..	..	..	..	..	..

DECEMBER

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

1921

JANUARY

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

FEBRUARY

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	..	..	..	..	..
..	..	..	..	..	..	..

MARCH

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

APRIL

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

MAY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

JUNE

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

CALENDAR

1919

Sept. 23-24 Examinations for Admission to College
Tuesday and Wednesday, 8.00 A.M., 1.30 P.M.

Sept. 25 First Semester began 8.40 A.M. Prayers. Registration Thursday

Nov. 10-21 Sophomore Preliminary Public Speaking 1.30 P.M.

Nov. 15 Tuition due

Nov. 22 Prize Division 2.00 P.M.

Nov. 27. Thanksgiving Day Thursday

Christmas Recess from 4.30 P.M., December 19, to 7.40 A.M., December 30.

1920

Jan. 12-27 Sophomore Debates 2.00 P.M.

Jan. 29 Day of Prayer for Colleges Thursday

Feb. 4-11 Midyear Examinations

Feb. 12 Second Semester begins: 7.40 A.M.

Feb. 22 Washington's Birthday Sunday

Feb. 23-Mar. 5 Freshman Preliminary Public Speaking 1.30 P.M.

March 6 Prize Division 2.00 P.M.

March 11 Senior Prize Speaking Thursday, 7.45 P.M.

March 15 Tuition due

Easter Recess from 4.30 P.M., March 26, to 7.40 A.M., April 6

April 19 Patriots' Day Monday

May 30 Memorial Day Sunday

June 2 Examinations at Preparatory Schools

June 9 Junior Prize Speaking Wednesday, 7.45 P.M.

June 10 Last Chapel Thursday

June 10 Ivy Day Exercises Thursday

June 11-18 Final Examinations

June 20 Baccalaureate Exercises Sunday, 3.30 P.M.

June 21 Annual Meeting of Delta Sigma Rho Monday, 2.30 P.M.

June 21 Alumni Night Monday, 8.00 P.M.

June 22 Annual Meeting of the Corporation
Tuesday, 9.00 A.M.
June 22 Class Day Exercises Tuesday, 2.30 P.M.
June 22 Annual Meeting of the Alumni
Tuesday, 4.00 P.M.
June 22 Annual Meeting of Phi Beta Kappa
Tuesday, 4.00 P.M.
June 22 Illumination of College Campus
Tuesday, 7.45 P.M.
June 23 The Commencement Dinner
Wednesday, 1.00 P.M.
June 23 President's Reception to the Graduates
Wednesday, 8.00 P.M.
July 7-August 24 Forestry Camp for Juniors, on Bates Forest in Alfred, Maine.
Sept. 21-22 Examinations for Admission to College
Tuesday and Wednesday, 8.00 A.M., 1.30 P.M.
Sept. 23 First Semester begins: 8.40 A.M. Thursday
Nov. 1-11 Sophomore Preliminary Public Speaking
1.30 P.M.
Nov. 13 Prize Division 2.00 P.M.
Nov. 15 Tuition due
Nov. 25 Thanksgiving Day Thursday
Dec. 17 Christmas Recess begins

Office Hours

The President, Roger Williams Hall, 2.00 P.M.-4.00 P.M.

Dean of Women, Rand Hall, 8.30 A.M.-9.30 A.M., 12.00 M.-12.30 P.M., 1.00 P.M.-1.30 P.M., daily; 3.30 P.M.-4.30 P.M., Mondays; 11.00 A.M.-12.00 M., Thursdays.

The Assistant Treasurer, Roger Williams Hall, 9.00 A.M.-11.00 A.M., 12.15 P.M.-2.15 P.M.

The Registrar, Roger Williams Hall, 8.30 A.M.-12.00 M.; 1.30 P.M.-4.30 P.M.

The Y. M. C. A. Secretary, Chase Hall, 10.00 A.M.-11.30 A.M., 1.30 P.M.-3.00 P.M.

GENERAL INFORMATION

FOUNDATION

Bates College grew out of the Maine State Seminary, chartered in 1855. In 1862 sixteen young men in this school petitioned the Trustees to provide facilities for collegiate instruction. In the fall of 1863 the first Freshman class was admitted, and in the winter of 1864 a new charter was secured, and Maine State Seminary became Bates College. The name Bates College was given by the Trustees in grateful acknowledgment of the generosity of Mr. Benjamin E. Bates of Boston, Mass., one of the founders of the city of Lewiston. Mr. Bates had taken a warm interest in the Seminary, and it was his encouragement, with a subscription in 1863 of $25,000, that led to its development into the College. To this sum he subsequently added $75,000. Mr. Bates died in 1877. Other friends have generously aided the institution, but none of their benefactions have surpassed in amount the gifts of Mr. Bates.

Lewiston, in which the College is situated, is the second city in population in Maine, having thirty-three thousand inhabitants. It is on the east bank of the Androscoggin, thirty-five miles northeast of Portland. It is connected by four bridges with Auburn, a city with sixteen thousand inhabitants, on the opposite bank of the river. The two cities are among the most enterprising and progressive in the East. Many of their public buildings are exceptionally beautiful and substantial. Their excellent public schools are constantly bringing to the two cities from all parts of Maine, and even from adjoining states, parents eager to secure a good education for their children. The Jordan High School, of Lewiston, and the Edward Little High School, of Auburn, rank among the best preparatory schools in New England. The pulpits of Lewiston and Auburn are occupied by able and scholarly men, and residents of few towns have better facilities for hearing the representative lecturers and orators of our country. The two cities are remarkably healthful, are situated amid some of the most beautiful scenery of the Androscoggin valley, and combine in a

rare degree the educational influences afforded by the presence of business energy, of scholarly leisure, and of attractive environments. They are a little more than four hours distant from Boston, and are accessible from all directions by means of four railways—the Grand Trunk, the Portland and Rumford Falls, and two lines of the Maine Central. These, with numerous electric roads, make the College easily accessible from every direction. The College grounds consist of fifty-five acres in the suburbs of Lewiston. They have great natural beauty and command fine views of the surrounding country. From the summit of Mount David, given by the late Mrs. Archibald Wakefield and the late Mrs. John M. Frye, as the site for an astronomical observatory, the White Mountains, more than fifty miles away, are distinctly visible. Through the generosity of Mrs. Wakefield, three and one-half acres have (in September, 1912) been added to this earlier gift and nearly all of Mount David is now owned by the College—giving to the campus a distinctive charm that arrests the attention of every visitor.

CHARACTER OF THE COLLEGE

The College is unsectarian in its organization, aims and methods, but it is unequivocally Christian. Breadth and thoroughness are sought, not only in literary and scientific attainments, but in moral and spiritual culture. What are called the vices of student life are practically unknown at Bates. No student can be a member of the College without taking and keeping a pledge to abstain from alcoholic drinks, and no student may receive beneficiary aid without abstaining from all use of tobacco. Hazing has always been regarded as indefensible and, through the united influence of students and faculty has at length, it is believed, been entirely outgrown and discarded. A large percentage of the students are actively religious, and among them are represented nearly all the religious denominations of New England. It has been the constant aim of the College to encourage and aid students of limited means and to exclude such habits and customs as lead to extravagant and unnecessary

expenditures. Planted in a thrifty and frugal community, Bates is for a wide area the natural college home of students of limited means. The community, with its numerous industries, offers unusual opportunities for work; and college spirit and tradition make labor honorable. The Faculty of Bates find one of their highest pleasures in helping young men and young women to solve the problem of ways and means. An employment Bureau composed of members of the Faculty and Alumni is able practically to assure remunerative work to students able and willing to engage in self-help. Every year Bates students are engaged in more than sixty different kinds of employment. During 1917-1918 students earned nearly $40,000. There are one hundred and twelve scholarships. One hundred and eight of these, of $1,000 each, pay fifty dollars per year, each, to as many deserving young men and young women. The other four are the Coe Scholarship of $3,000, the Dana Estes Scholarship of $2,500, the John Bartlett Kezar Scholarship of $2,000, and the Fitz Scholarship of $1,500. Students preparing for the Christian ministry or for other kinds of public Christian service may receive aid from the Edgecomb Fund. Students of ample, of moderate, and of limited means live and work together in absolute social equality. From its organization in 1863, the College has received young women on the same terms with young men, thus beginning on the Atlantic seaboard the movement for the higher education of women.

The government of the College is vested in two co-ordinate boards: President and Fellows, and Overseers. Under the Charter of the College, the Board of Overseers must consist of five classes, each of them holding office for five years. Each class numbers five members, two of the five having been nominated from the Alumni. At the present time ten of the fourteen Fellows and twenty-two of the twenty-five Overseers are Alumni. The graduates of Bates number 2,384. The Bates Semi-Centennial was celebrated June 21-24, 1914.

CORPORATION

BOARD OF PRESIDENT AND FELLOWS

WILLIAM HENRY HARTSHORN, A.M., Litt.D., Lewiston
ACTING-PRESIDENT

LINDLEY M. WEBB, A.B., Esq.,	Portland
HON. CHARLES A. MILLIKEN,	Augusta
REV. FRITZ W. BALDWIN, D.D.,	Acworth, N. H.
JOSEPH A. CORAM,	Boston, Mass.
HON. WILBUR H. JUDKINS, A.B., Esq.,	Lewiston
REV. ASHMUN T. SALLEY, A.B., D.D.,	Lewiston
HON. ALBERT M. SPEAR, A.B., LL.D.,	Gardiner
WHITEFIELD N. THOMPSON, A.B., M.D.,	Hartford, Conn.
HON. OLIVER B. CLASON, A.B.,	Gardiner
WILLIAM F. GARCELON, A.B., Esq.,	Boston, Mass.
HON. CARL E. MILLIKEN, A.B., LL.D.,	Augusta
ARTHUR S. LITTLEFIELD, A.M., LL.B.,	Rockland
HON. HENRY W. OAKES, A.B., A.M.,	Auburn
ALFRED WILLIAMS ANTHONY, A.M., D.D.,	New York

GEORGE W. LANE, Jr., Lewiston
SECRETARY

BOARD OF OVERSEERS

ALBERT F. GILMORE, A.B.,
PRESIDENT
LOUIS B. COSTELLO, A.B.,
SECRETARY

Term Expires in 1920

HON. WALTER E. RANGER, A.M., LL.D., Providence, R. I.
REV. SAMUEL H. WOODROW, A.B., D.D., St. Louis, Mo.
REV. ARTHUR GIVEN, A.B., D.D., Clermont, Fla.
HERVEY S. COWELL, A.M., PD.D., Ashburnham, Mass.
JAMES E. COBURN, Lewiston

Term Expires in 1921

HON. CHARLES S. COOK, A.B., Portland
LOUIS B. COSTELLO, A.B., Lewiston
MRS. ELIZABETH BODGE WILSON, A.B., Portland
REV. FREDERICK E. EMRICH, A.B., D.D., Boston, Mass.
SCOTT WILSON, A.B., ESQ., Portland

Term Expires in 1922

WILLIAM E. C. RICH, A.B., A.M., Ocean Park
REV. ALBERT W. JEFFERSON, D.D., Lawrence, Mass.
JOHN L. READE, A.B., ESQ., Lewiston
WILLIAM B. KENDALL, Bowdoinham
WALTER U. GUTMANN, Lewiston

Term Expires in 1923

ALBERT F. GILMORE, A.B., New York, N. Y.
FRANK H. BRIGGS, A.B., Auburn
MRS. MARY BRACKETT ROBERTSON, A.B., Washington, D. C.
HON. WILLIAM B. SKELTON, A.B., ESQ., Lewiston
OREN CHENEY BOOTHBY, A.B., ESQ., Boston, Mass.

Term Expires in 1924

RICHARD B. STANLEY, A.B., Esq.,	Boston, Mass.
REV. THOMAS H. STACY, A.B., D.D.,	Concord, N. H.
WILLIS A. TRAFTON,	Auburn
ERNEST F. CLASON, A.B.,	Lisbon Falls
HAROLD A. ALLAN, A.B.,	Augusta

COMMITTEES OF THE BOARDS

EXECUTIVE:

W. H. Hartshorn, W. H. Judkins, A. T. Salley, H. W. Oakes, L. B. Costello, W. B. Skelton, J. E. Coburn

FINANCE AND OVERSIGHT:

H. W. Oakes, L. B. Costello, W. A. Trafton

COMMITTEES FOR THE BOARDS

PRUDENTIAL:

D. E. Andrews, George W. Lane, Jr., G. E. Ramsdell

VISITING:

Rev. Arba J. Marsh, A.B., D.D., Rev. D. N. Beach, A.B., D.D., W. E. Pulsifer, A.M., W. H. H. Bryant, A.M.

VACANCIES IN THE CORPS OF INSTRUCTION:

W. H. Hartshorn, A. T. Salley, W. H. Judkins

EXAMINING:

Hon. A. O. Thomas, Ph.D., Superintendent of the Public Schools of Maine, Rev. H. P. Woodin, A.B., D.D., W. L. Powers, A.B., Pd.D., A. C. Yeaton, A.B.

LIBRARY:

W. H. Hartshorn, L. G. Jordan, W. H. Judkins, Blanche W. Roberts

COLLEGE COMMONS:

R. R. N. Gould, G. W. Lane, Jr., F. E. Pomeroy

AUDITORS:

Charles F. Goss, George J. Wallingford

TREASURER:

George W. Lane, Jr.

ASSISTANT TREASURER:

Delbert E. Andrews

OFFICERS AND INSTRUCTORS

*GEORGE COLBY CHASE, A.M., D.D., LL.D.,
President, Professor of Psychology and Logic

WILLIAM HENRY HARTSHORN, A.M., LITT.D., 336 College St.
Acting-President, Professor of English Literature

LYMAN GRANVILLE JORDAN, A.M., PH.D., 250 College St.
Stanley Professor of Chemistry
Endowed in memory of the late Professor Richard C. Stanley

HERBERT RONELLE PURINTON, A.M., D.D., 36 Mountain Ave.
Fullonton Professor of Biblical Literature and Religion
Endowed in memory of the late Professor John Fullonton

GROSVENOR MAY ROBINSON, A.M., 22 Wakefield St.
Professor of Public Speaking

ARTHUR NEWTON LEONARD, A.M., PH.D., 12 Abbott St.
Professor of German

FRED AUSTIN KNAPP, A.M., 32 Mountain Ave.
Professor of Latin

FRED ELMER POMEROY, A.M., 342 College St.
Professor of Biology

HALBERT HAINS BRITAN, A.M., PH.D.,
Cobb Professor of Philosophy 17 Mountain Ave.
Endowed in memory of the late Hon. J. L. H. Cobb

GEORGE MILLET CHASE, A.M., 20 Frye St.
Belcher Professor of Greek
Endowed by Mrs. Sarah Belcher

WILLIAM RISBY WHITEHORNE, A.M., PH.D.,
Professor of Physics 55 Cottage St.

GEORGE EDWIN RAMSDELL, A.M., 40 Mountain Ave.
Professor of Mathematics

*Deceased, May 27, 1919.

FRANK DEAN TUBBS, A.M., S.T.D., 129 Wood St.
Professor of Geology and Astronomy

CLARA LUCENA BUSWELL, A.B., Rand Hall
Dean of Women

R. R. N. GOULD, A.M., 250 College St.
Knowlton Professor of History and Government, Registrar-Treasurer of the Summer School
Endowed in memory of the late Rev. Ebenezer Knowlton

ARTHUR FREDERICK HERTELL, A.M., 384 Main St.
Professor of French

ALBERT CRAIG BAIRD, A.M., B.D., 173 Wood St.
Professor of English and Argumentation

JOHN MURRAY CARROLL, A.M., 94 Googin St.
Professor of Economics

SAMUEL FREDERICK HARMS, A.M., 8 Abbott St.
Assistant Professor of German

ROBERT A. F. McDONALD, A.M., PH.D.,
Professor of Education, 144 Nichols St.
Director of the Summer School

CARL HERRING SMITH, B.S., LL.B., 148 Nichols St.
Director of Physical Education and Instructor in Physiology

WILLIAM HAYES SAWYER, JR., A.M., 18 Arch Ave.
Instructor in Biology

SYDNEY BARLOW BROWN, A.M., 18 Arch Ave.
Instructor in French

LAURENCE RICH GROSE, A.M., M.F., 3 Benson St.
Instructor in Forestry

CHARLES HENRY HIGGINS, B.S., 43 Winter St., Auburn
Instructor in Chemistry

LENA MABEL NILES, A.B., Frye Street House
Director of Hygiene for the Women

SARAH KELLEY NICKERSON, Rand Hall
Instructor in Household Economy

KARL STANLEY WOODCOCK, B.S., Roger Williams Hall
Instructor in Physics

CECIL THOMAS HOLMES, A.B., Roger Williams Hall
Instructor in English

HARRY WILLISON ROWE, A.B., 350 College St.
Secretary Young Men's Christian Association

BLANCHE WHITTUM ROBERTS, A.B., 128 Wood St.
Librarian

MABEL EMERY MARR, A.B., 205 College St.
Assistant Librarian

FORREST H. COLBY, Augusta
Lecturer on Forestry

LYMAN GRANVILLE JORDAN, A.M., PH.D.,
Secretary 250 College St.

GEORGE MILLET CHASE, A.M., 20 Frye St.
Assistant Secretary

NOLA HOUDLETTE, A.B., Whittier House
Registrar

MARY ESTHER HUCKINS, A.B., Milliken House
Assistant to the Dean of Women

DELBERT ELVIN ANDREWS, A.B., 368 College St.
Superintendent of Grounds and Buildings

ESTELLE BRADBURY KIMBALL, John Bertram Hall
Matron

EDWIN LINCOLN GOSS, 94 Nichols St.
Chorister

COMMITTEES OF THE FACULTY

DEGREES:

W. H. Hartshorn, L. G. Jordan, H. R. Purinton

ATHLETICS:

F. E. Pomeroy, G. E. Ramsdell, C. H. Smith

ENTRANCE EXAMINATIONS:

F. A. Knapp, W. H. Hartshorn, A. C. Baird, G. E. Ramsdell, Clara L. Buswell, W. H. Sawyer, C. H. Higgins, L. R. Grose

REGISTRATION:

G. M. Chase, A. F. Hertell, J. M. Carroll, S. F. Harms

CURRICULUM:

W. H. Hartshorn, L. G. Jordan, A. N. Leonard, F. A. Knapp, W. R. Whitehorne, H. H. Britan

PUBLICATIONS:

A. N. Leonard, H. H. Britan, A. C. Baird, S. B. Brown, K. S. Woodcock

CO-OPERATION WITH LITERARY SOCIETIES:

F. D. Tubbs, Clara L. Buswell, A. C. Baird

EMPLOYMENT BUREAU:

D. E. Andrews, G. M. Robinson, H. W. Rowe, Blanche W. Roberts, Lena M. Niles, Estelle B. Kimball

TEACHERS' BUREAU:

H. H. Britan, F. D. Tubbs, R. R. N. Gould, W. R. Whitehorne, R. A. F. McDonald

SCHOLARSHIPS AND BENEFICIARY FUNDS:

W. H. Hartshorn, F. A. Knapp, G. E. Ramsdell, D. E. Andrews, H. R. Purinton, Clara L. Buswell

MEMBERS OF ATHLETIC COUNCIL:

F. E. Pomeroy, C. H. Smith, G. E. Ramsdell, R. R. N. Gould

PREPARATORY SCHOOLS:

F. A. Knapp, C. H. Smith, R. R. N. Gould, A. F. Hertell, R. A. F. McDonald, A. N. Leonard

ENTERTAINMENTS:

G. M. Robinson, H. W. Rowe, Clara L. Buswell, S. B. Brown, Lena M. Niles, L. R. Grose, K. S. Woodcock, Estelle B. Kimball

MUSIC:

A. F. Hertell, G. M. Robinson, H. H. Britan, S. B. Brown

ALUMNI:

H. W. Rowe, L. G. Jordan, G. M. Chase, F. E. Pomeroy, W. H. Sawyer, C. H. Higgins, C. T. Holmes, Blanche W. Roberts

STANDING OF STUDENTS:

R. R. N. Gould, S. F. Harms, Clara L. Buswell, Nola Houdlette

COLLEGE COMMONS:

W. H. Hartshorn, D. E. Andrews, J. M. Carroll, R. R. N. Gould, S. B. Brown, C. H. Smith

PROMOTION OF RELIGIOUS INTERESTS:

H. R. Purinton, G. M. Chase, F. A. Knapp, G. M. Robinson, H. W. Rowe, A. N. Leonard, D. E. Andrews, Lena M. Niles

DEBATING COUNCIL:

A. C. Baird, G. M. Chase, J. M. Carroll, G. M. Robinson

PUBLICITY COMMITTEE:

A. C. Baird, H. W. Rowe, R. A. F. McDonald, Nola Houdlette

PUBLIC EXERCISES—HOLIDAYS:

H. R. Purinton, A. C. Baird, G. M. Robinson, H. W. Rowe

ADMISSION OF STUDENTS

GENERAL STATEMENT

All candidates for admission to the College must offer satisfactory testimonials of good moral character; and those that have been members of other colleges must present certificates of honorable dismission.

Young men desiring information about the College or seeking admission should address Acting-President William H. Hartshorn, 336 College St., Lewiston; young women, Dean Clara L. Buswell, Rand Hall, Bates College, Lewiston.

A young woman applying for admission must furnish a certificate of character and scholarship from her principal, a certificate of health equal to the demands of a college course from her physician, and a certificate of character and worth from her pastor. Not more than fifty applicants can be received in any one year. Application should be made not later than March 1 of the year for which admission is sought. If practicable, the list of successful candidates will be announced about May 1.

Young men desiring information about rooms in the College dormitories should write to Superintendent Delbert E. Andrews, 368 College Street.

The requirements in particular subjects are as follows:

LATIN

The requirements in Latin are those recommended in the "Report of the Commission on College-Entrance Requirements in Latin," and are as follows:

1. Amount and Range of the Reading Required.

1. The Latin reading required of candidates, without regard to the prescription of particular authors and works, shall be not less *in amount* than Caesar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Æneid, I-VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters and De Senectute), and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Æneid), and Ovid (Metamorphoses, Fasti, and Tristia).

II. Subjects and Scope of the Examinations.

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Æneid I, II, and either IV or VI at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, construction, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

Suggestions Concerning Preparation.

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the

part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

On the basis of the above Report the examinations will be grouped as follows:

I. Two Years of Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a sysetematic course of five exercises a week for two years. It will include translation from Cæsar's Gallic War, Book I, easy sight passages, and Grammar and Composition.

This examination is designed to meet the needs of such candidates for the degree of Bachelor of Science as offer only two years of Latin.

II. Elementary Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of five exercises a week for at least three years. It will include translation of prose at sight, Cicero, as indicated above in Section II, Article 2, and Grammar and Composition.

III. Advanced Latin.

The examination will be adapted to the proficiency of those that have studied in Latin in a systematic course of five exercises a week for at least four years. It will cover the work outlined in Section II of the Report.

GREEK

I. Elementary Greek.

Candidates presenting this subject should be able to translate at sight simple Attic prose, and should possess a thorough mastery of ordinary Greek inflections, principles of syntax, and idioms, involving the ability to write simple Attic prose. To attain the required proficiency, a student should have studied Greek for two years, in a systematic course of five exercises a week, including the reading of four books of Xenophon's Anabasis or an equivalent, thorough study of Grammar, and considerable practice in writing Greek sentences involving ordinary idioms and constructions.

II. Advanced Greek.

Candidates presenting this subject should be able to translate at sight passages from Homer, as well as from Attic prose, and should be well grounded in the epic dialect, the prosody of Homer and the general features of Homeric life. They should also be able to translate into Attic prose simple English passages of connected narrative. These

requirements involve, in addition to the course in Elementary Greek, a third year of study, with exercises five times a week, and necessitate the reading of additional Attic prose and of at least the first three books of the Iliad or an equivalent, and practice in the writing of connected passages of Attic prose.

Students admitted without Greek may begin the study of Greek in the Freshman year and go on to the regular courses in that language.

ENGLISH

The study of English in school has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

Grammar and Composition. The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary-school period. Written exercises may well comprise letter writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether written or oral.

Literature. The second object is sought by means of two lists of books, headed respectively *Reading* and *Study*, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and be encouraged to

commit to memory some of the more notable passages in both verse and prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

A. Reading

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

For 1919-1922.

Group I. Classics in Translation. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books i-v and xv-xvii; the Iliad, with the omission, if desired, of Books xi, xiii, xiv, xv, xvii, xxi; Vergil's Æneid. The Odyssey, Iliad and Æneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

Group II. Shakespeare: Midsummer Night's Dream; Merchant of Venice; As You Like It; Twelfth Night; The Tempest; Romeo and Juliet; King John; Richard II; Richard III; Henry V; Coriolanus; Julius Cæsar;* Macbeth; Hamlet.*

Group III. Prose Fiction. Malory: Morte d'Arthur (about 100 pages); Bunyan: Pilgrim's Progress Part I; Swift: Gulliver's Travels (voyages to Lilliput and to Brobdignag); Defoe: Robinson Crusoe, Part I; Goldsmith: Vicar of Wakefield; Frances Burney: Evelina; Scott's Novels: any *one;* Jane Austen's Novels: any *one;* Dickens' Novels: any *one;* Thackeray's Novels: any *one;* George Eliot's Novels: any *one;* Mrs. Gaskell: Cranford; Kingsley: Westward Ho!

*If not chosen for study under B.

or Hereward, the Wake; Reade: The Cloister and the Hearth; Blackmore: Lorna Doone; Hughes: Tom Brown's School Days; Stevenson: Treasure Island or Kidnapped or Master of Ballantrae; Cooper's Novels: any *one;* Poe: Selected Tales; Hawthorne: The House of the Seven Gables or Twice Told Tales or Mosses from an Old Manse; a collection of short stories by various standard writers.

Group IV. Essays, Biography, etc. Addison and Steele: The Sir Roger de Coverley Papers or Selections from the Tatler and Spectator (about 200 pages); Boswell: Selections from the Life of Johnson (about 200 pages); Franklin: Autobiography; Irving: Selections from the Sketch Book (about 200 pages) or Life of Goldsmith; Southey: Life of Nelson; Lamb: Selections from the Essays of Elia (about 100 pages); Lockhart: Selections from the Life of Scott (about 200 pages); Thackeray: Lectures on Swift, Addison, and Steele in the English Humorists; Macaulay: Any *one* of the following essays: Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay; Trevelyan: Selections from the Life of Macaulay (about 200 pages); Ruskin: Sesame and Lilies or Selections (about 150 pages); Dana: Two Years Before the Mast; Lincoln: Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman: The Oregon Trail; Thoreau: Walden; Lowell: Selected Essays (about 150 pages); Holmes: The Autocrat of the Breakfast Table; Stevenson: An Inland Voyage and Travels with a Donkey; Huxley: Autobiography and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; A Collection of Essays by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; A Collection of Letters by various standard writers.

Group V. Poetry. Palgrave: Golden Treasury (First Series): Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave; Golden Treasury (First Series): Book IV, with special attention to Wordsworth, Keats and Shelley (if not chosen for study

under B); Goldsmith: The Traveller and The Deserted Village; Pope: The Rape of the Lock; A Collection of English and Scottish Ballads, as for example, some Robin Hood Ballads, The Battle of Otterburn, King Estmere, Young Beicham, Bewick and Grahame, Sir Patrick Spens, and a selection from later ballads; Coleridge: The Ancient Mariner; Byron: Childe Harold, Canto III or IV, and The Prisoner of Chillon; Scott: The Lady of the Lake, or Marmion; Macaulay: The Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivry; Tennyson: The Princess, or Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning: Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus; Arnold: Sohrab and Rustum, and The Forsaken Merman; Selections from American Poetry, with special attention to Poe, Lowell, Longfellow, and Whittier.

B. Study

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

Group I. Drama. Shakespeare: Julius Cæsar, Macbeth, Hamlet.

Group II. Poetry. Milton: L'Allegro, Il Penseroso, and either Comus or Lycidas; Tennyson: The Coming of Arthur, The Holy Grail, and The Passing of Arthur; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's Golden Treasury (First Series).

Group III. Oratory. Burke: Speech on Conciliation with America; Macaulay's Speech on Copyright and Lincoln's Speech at Cooper Union; Washington's Farewell Address and Webster's First Bunker Hill Oration.

Group IV. Essays. Carlyle: Essay on Burns, with a selection from Burns' Poems; Macaulay: Life of Johnson; Emerson: Essay on Manners.

Examination. However satisfactory in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which will be on grammar and composition, and the other on literature.

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn chiefly from the books read.

An examination in literature will include:

A. General questions designed to test such a knowledge and appreciation of literature as may be gained by fulfilling the requirements defined under A. READING above. The candidate will be required to submit a list of books read in preparation for the examination, certified by the principal of the school in which he was prepared; but this list will not be made the basis of detailed questions.

B. A test on the books prescribed for study, which will consist of questions upon their form, content, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning lives of the authors, their other works, and the periods of literary history to which they belong.

MATHEMATICS

I. Elementary Mathematics.

(1) Algebra. Through equations of the second degree. Although candidates are not examined in Arithmetic, a thorough knowledge of its fundamental principles is an essential part of a preparatory course. This subject should not be neglected by candidates.

The required work in Algebra should ordinarily cover two years' work of five recitations per week, and includes the following subjects: Factors, fractions, ratio and proportion; negative quantities and interpretation of negative results; a thorough knowledge of radicals and the solution of equations involving radicals, fractional and negative exponents; the binomial theorem for positive integral exponents; extraction of roots; the solution of equations with one or more unknowns, whether of the first or second degree, and with literal as well as numerical coefficients, and of problems leading to such equations; arithmetical and geometrical progression.

It is recommended that the student familiarize himself with the solution of simultaneous equations of two or three unknowns, that he be able to solve quadratics at sight, either by factorization or by formula, and that he learn to draw the graphs of linear and quadratic equations of two unknowns.

(2) Plane Geometry. The required work in plane geometry should extend throughout one year of five recitations per week.

The theorems and constructions as found in good textbooks: The properties of plane rectilinear figures; the circle, and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. A large part of the time should be given to original demonstrations of exercises, and this should be insisted upon as a part of the required work in the course.

II. Advanced Mathematics.

(1) Algebra, including choice, chance, theory of limits,

the binomial theorem for negative and fractional exponents, logarithms, series, determinants, graphs, derivatives, and the theory of equations.

(2) Solid Geometry, as represented by the ordinary college text-books. Candidates should be able to solve readily problems of solid mensuration and to demonstrate original theorems that may be deduced easily from the text.

(3) Plane Trigonometry as represented by the usual text-books. Candidates must be familiar with the theory and use of six-place logarithmic tables.

FRENCH

*The admission requirements in elementary and advanced French are those recommended by the Modern Language Association of America.

I. Elementary French.

The work to be done during the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irreguar verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical

*See pages 59 and 90 for entrance requirements and for requirements in college.

sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, of pronominal adectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

II. Advanced French.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

GERMAN

*The admission requirements in elementary and advanced German are those recommended by the Modern Language Association of America.

I. Elementary German.

The first year's work should comprise: (1) careful drill upon pronunciation; (2) memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs, also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exer-

*See pages 61, 62 and 90 for entrance requirements and for requirements in college.

cises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in reproducing natural forms of expression; (5) the reading of 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in reproducing from memory sentences previously read.

The second year's work should comprise: (1) the reading of 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in translating into German easy variations upon the matter read, also in the offhand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of grammar, directed to the end of enabling the pupil, first, to use his knowledge with facility in forming sentences, and second, to state his knowledge correctly in the technical language, of grammar.

II. Advanced German.

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with especial reference to the infinitive and subjunctive), and likewise upon order and word formation.

CHEMISTRY

The examination in this subject implies an acquaintance by recitation and laboratory work with elementary processes and with the properties of common chemical substances; also

a familiarity with the chemical notation in its arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations.

The requirements in this subject include the study of both metals and non-metals, and may be met by the use of any good elementary text-book and laboratory manual, and the presentation of a satisfactory laboratory certificate describing the work done.

PHYSICS

The student must present satisfactory evidence that he has completed a year's work in Physics based upon a standard text-book (Carhart and Chute's, Millikan and Gale's, and Gage's are recommended). The course must include at least one two-hour laboratory period per week. To receive credit in Physics a laboratory certificate describing the work done must be presented. At least forty experiments should be performed.

BIOLOGY

One year's work in Biology may be offered for one unit in the preparatory course. The year's work should be equivalent to at least one hundred one-hour exercises, consisting of at least one-half laboratory work. A laboratory certificate describing the work done must be presented. The course may consist of one year's work in Zoology, or one year's work in Botany, or one-half year's work in each.

It is desirable that considerable field work be done; that the animals and plants be studied in their natural environment. A large amount of data, obtained through accurate observation out-of-doors, forms the best foundation for the work to be accomplished in the laboratory and recitation room.

It is more important that a relatively small amount of laboratory work be carefully and thoroughly accomplished by proper laboratory methods, than that a large amount of

ground be covered in a superficial and unscientific manner.

For a year's work in Zoology, the following texts—supplemented with such laboratory work as time and text would require—are approved: General Zoology, by Linville and Kelley; Zoology, Descriptive and Practical, by Colton; Introduction to Zoology, by Davenport.

For one-half year's course in Zoology: Animal Life, by Jordan and Kellogg; Animal Forms, by Jordan and Heath; Practical Zoology, by Davison.

For a year's course in Botany: Plants, by Coulter; Elements of Botany, by Bergen; Introduction to Botany, by Stevens.

For a one-half year's course in Botany: such parts—selected by instructor—of one of the above texts, as can be properly handled in the time.

HISTORY

United States History and Civics.

The student should have a general knowledge of the colonization of the several states, the forms of government that existed previous to the War of Independence, the causes and principal events of that war, the Period of the Confederation and the establishment of the Federal Constitution with the general history subsequent to that event.

English History.

In this subject a general knowledge of the social and political development of England is expected of the student. This applies in particular to the centuries subsequent to the Norman conquest and to the movements that culminated in the creation of a British Empire and of a limited monarchy.

Ancient History, Greek and Roman.

The student should know the main facts respecting the political development of Greece and the Roman Republic and Empire, and should possess a general acquaintance with Greek and Roman life, literature and art.

DEGREES

Students are admitted to Bates College as candidates for the degree either of Bachelor of Arts or of Bachelor of Science. The degree of Bachelor of Arts is regularly conferred upon those that have included among their courses one year of college Latin. In exceptional cases the degree may be conferred also upon students that have not taken Latin, but, beginning Greek in college, have continued the study of the same through Courses 7 and 8. Students that pursue neither Latin nor Greek receive the degree of Bachelor of Science. Young women admitted to Bates must offer adequate preparation in Latin, and they are enrolled as candidates for the degree of Bachelor of Arts.

ADMISSION GROUPS

To show clearly the requirements for admission the following grouping of the preceding subjects is made. Candidates for admission to the Freshman Class must show adequate preparation in all the subjects of Group I and in enough of Group II to make a total of 14½ units. To count a unit a subject must be pursued for one school year of thirty-six weeks with five recitation periods per week.

A.B. COURSE—*Group I*

	Units
English A and B (3 years)	3
*Latin	3
Algebra	1½
Plane Geometry	1
†History	1
Total required	9½

B.S. COURSE—*Group I*

	Units
English, A and B (3 years),	3
Modern Language	2
Algebra	1½
Plane Geometry	1
†History	1
Total required	8½

*Though three years of Latin will be accepted for admission to the course leading to the degree of Bachelor of Arts, the candidate is strongly urged to present four years. All that present three years only will be required to take two full years of Latin while in college in order to qualify for the above-mentioned degree. See page 16 for a statement about the required college courses in Latin.

†In presenting History for admission, the candidate has the option of presenting either one full year of one History or a half-year of each of two.

A.B. COURSE—*Group II*

	Units
Elementary Greek	2
Advanced Greek	1
Advanced Latin	1
Elementary French	2
Advanced French	1
Elementary German	2
Advanced German	1
Chemistry (including note-book)	1
Physics (including note-book)	1
Biology (including note-book)	1
†General Science	1
Advanced Algebra	½
Solid Geometry	½
Plane Trigonometry	½
‡Greek History and Roman History	½ or 1
American History and Civil Government	½ or 1
English History	½ or 1
†Bible Study	1
Total elective	5

B.S. COURSE—*Group II*

	Units
Two years of Latin	2
Elementary Latin	3
Advanced Latin	1
Elementary Greek	2
Advanced Greek	1
Elementary French (if not offered in Group 1)	2
Advanced French	1
Elementary German (if not offered in Group I)	2
Advanced German	1
Chemistry (including note-book)	1
Physics (including note-book)	1
Biology (including note-book)	1
†General Science	1
Advanced Algebra	½
Solid Geometry	½
Plane Trigonometry	½
American History	½ or 1
‡Greek History and Roman History	½ or 1
English History	½ or 1
†Bible Study	1
*Free Hand Drawing	½
*Mechanical Drawing	½
Total elective	6

*Accepted only from schools fully equipped for work of this character.
†Accepted only upon evidence that it represents serious work and sound methods.
‡Whenever History is offered by the candidate, his Principal should state definitely whether the subject has been studied in a full year's, or a half year's course.

Candidates for the degree of Bachelor of Arts must present in addition to Group I a selection of subjects from Group II aggregating five units according to the valuation there indicated. This selection must include either Elementary Greek, Elementary French, or Elementary German.

Candidates for the degree of Bachelor of Science must present in addition to Group I a selection of subjects from Group II aggregating six units according to the valuation there indicated.

A FREE MARGIN OF ELECTIVES

In special cases, other secondary school subjects, aggregating not more than four units, will be accepted. Candidates for admission that wish to avail themselves of this privilege, must present from their Principals full statements both of the amount and of the quality of work done in such subjects. Only subjects that require serious intellectual efforts will be considered.

THE METHODS OF ADMISSION.

All candidates for admission must present evidence of sound moral character, of an approved school course satisfactorily completed, and of sufficient maturity and ability to do college work.

THE TWO PLANS OF EXAMINATIONS

I. The Old Plan of Examinations.

To secure admission under this plan, the examination of the candidate must show adequate preparation in the subjects prescribed on page 31, and in enough of the elective subjects listed on page 32 to be credited with a total of fourteen and one-half units.

Candidates that meet in full these requirements are admitted to regular standing. Candidates that fail to meet in full the requirements indicated above may be admitted under conditions which must be removed later by complying with certain regulations under the direction of the Committee on Registration. In admitting students with condi-

tions, each case is settled on its merits. Ordinarily, however, a condition of more than two units is not granted.

II. The New Plan of Examinations.

To be admitted under this plan a candidate

(1) Must present evidence of an approved school course satisfactorily completed; and

(2) Must show in four examinations as explained below that his scholarship is of a satisfactory quality:

SCHOOL RECORD

A candidate must present to the Committee on Admission evidence of his secondary school work in the form of an official detailed statement showing

(a) The subjects studied by him and the ground covered.

(b) The amount of time devoted to each.

(c) The quality of his work in each subject.

To be approved, this statement must show

(a) That the candidate's secondary school course has extended over four years.

(b) That his course has been concerned chiefly with languages, mathematics, and history.

(c) That the English and Latin of his school program, if he is a candidate for the A.B., have been pursued for not less than the equivalent of five periods per week for three years; the English for three years, and the French or German for two years, if he is a candidate for the B.S. The candidate for the A.B. is advised to offer four years of Latin if possible; and the candidate for the B.S. is advised to offer three years of French or German if possible.

THE EXAMINATIONS

If the official detailed statement presented by the candidate shows that he has satisfactorily completed an approved secondary school course, he may present himself for examinations in four subjects as follows:

For the A.B.

1. English
2. Latin
3. Mathematics (Algebra and Plane Geometry).
4. One of the following subjects:
   - (a) Chemistry.
   - (b) Physics.
   - (c) History: either
     - (1) Greek and Roman, or
     - (2) American, or
     - (3) English.

For the B.S.

1. As for the A.B.
2. Either French or German.

3 and 4. As for the A.B.

These four examinations must be taken at one time, either in June or in September. Candidates who show by their school records and college examinations that they have the ability to take advantage of college work and college methods, will be admitted without conditions. If a candidate is not admitted, it will mean that his school record and college examinations do not show a scholarship adequate for college work.

ADMISSION BY CERTIFICATE

Graduates of schools approved by the New England College Entrance Certificate Board are admitted without examination. The colleges associated in this Board are Amherst, Bates, Boston University, Bowdoin, Brown University, Colby, Massachusetts Agricultural, Middlebury, Mount Holyoke, Smith, Tufts, University of Vermont, Wellesley, Wesleyan University, Williams.

Certificates are passed upon by the individual colleges above named. All schools in New England desiring the certificate privilege should apply to the Secretary of the Board, Professor Frank W. Nicolson, Wesleyan University, Middletown, Conn., before April 1st. Schools outside of New England desiring the certificate privilege should apply to the Registrar of Bates College, Roger Williams Hall, Lewiston, Maine.

Certificates should meet the requirements in full, but certificates covering eight units of the requirements will be accepted and the candidates will be examined on the remaining units. Candidates offering certificates for less than eight units of the requirements must be examined in full. Candidates that have taken preparatory work in more than one school must be certified by the principal of each of the schools in which they have taken work.

Blanks for certificates will be furnished by the Registrar of the College. School diplomas will not be accepted in place of certificates. Certificates that candidates have met the entrance requirements of another college will ordinarily be accepted, provided they cover the usual subjects or their equivalents, required for admission to Bates College.

ADMISSION BY CERTIFICATE OF EXAMINATIONS

Academic diplomas issued by the Regents of the University of the State of New York are accepted in all required subjects covered by them.

Certificates of the New York State Examination Board are accepted.

Certificates of the College Entrance Examination Board are accepted.

ADMISSION FROM OTHER COLLEGES

Students from other colleges seeking admission to Bates must present the following credentials: a letter of honorable dismissal, a statement of method of admission, an official statement in detail of studies taken by terms or semesters, with standing in the same, the exact number of terms of attendance, and a marked catalogue of the institution, showing each subject that has been completed.

DATES OF EXAMINATIONS FOR ADMISSION

The regular examinations for admission to Bates begin on Tuesday, September 21, at 8.00 o'clock A.M., in Room 1, Hathorn Hall. Arrangements may be made for taking examinations at the student's own school beginning on the

first Monday in June. Principals, wishing thus to assume the responsibility of the examinations, should register their requests for examination papers, stating the subjects and the number of papers required in each, with the Chairman of the Committee on Entrance Examinations, Professor F. A. Knapp, 32 Mountain Ave., Lewiston, Maine, not later than May 25. Examinations will not be held at the College in June.

SCHEDULES OF EXAMINATIONS

JUNE EXAMINATIONS

(In the Schools)

Time	Monday	Tuesday	Wednesday	Thursday
8.30–10.30	American History	English History	English	Physics
10.30–12.30	Greek and Roman History	French	Chemistry	German
2.00– 4.00	Latin	Algebra	Plane Geometry	Solid Geometry

Principals may give examinations in other subjects at their convenience on any of the days specified above.

SEPTEMBER EXAMINATIONS

(At the College)

Time	Tuesday	Wednesday
8.00–10.00	History, Solid Geometry	Chemistry or Physics
10.00–12.00	French	English
1.30– 3.30	Algebra	Plane Geometry
3.30– 5.30	Latin	German

Other subjects may be arranged for by consulting the examiner at the time of the History examination.

COURSES OF INSTRUCTION

Most of the work of the Freshman year is required. Some electives are introduced in the second semester of the Freshman year and are increased in number with each succeeding semester. The essentials of a liberal education are constantly kept in view and the attainment of knowledge is made tributary to the love of study, the habit of investigation, and the tastes and aptitudes of the scholar. The individuality of students is recognized and encouraged without the sacrifice of breadth and thoroughness. Class-room work is supplemented by original observation and research and by a systematic use of the College Library.

While in every department the cultural aim is held constant and controlling, the culture sought is of the kind that pays tribute to life. While not mistaking itself for a professional school or a technical school, the College seeks to make all its instruction practical. Each teacher remembers that forty-three out of every hundred of Bates graduates become educators, and strives to exemplify the best Pedagogy. A semester course of one hour a weeek is devoted to methods of teaching each secondary school subject in which advanced work is done in the College. In addition, the Professor of Education gives carefully planned courses that, while thoroughly cultural, are designed to enable graduates of the College that have satisfactorily completed them to qualify for a teacher's certificate of the first class from State Boards of Education. In like manner, the courses in Elocution and in English, especially the courses in Argumentation, prove of great value to graduates who engage in public speaking and, in particular, to those who practice Law; while the course in Rhetoric and the practical training in Composition afford an admirable preparation for Journalism. So, also, the courses in Biblical Literature and Religion, while having a choice cultural value, are a substantial aid to students contemplating the Christian Ministry. The thorough courses in Chemistry meet the requirements of the best Medical Schools, and those in Biology

receive equal recognition. The work in Mechanics, in Electricity and Magnetism, and in the Elements of Electrical Engineering, assures to the general student of these subjects an intelligent acquaintance with the great natural forces of the industrial world and enables the prospective engineer to gain, at comparatively slight cost, advanced standing in such a school of applied science as the Massachusetts Institute of Technology.

Students wishing to enter Medical Schools after completing two years' work in Bates College must present the complete admission requirements as in the case of students matriculating for the A.B. or B.S. degree. The purpose of such students to pursue a medical course after completing the necessary college work must be attested by a written statement from their parents or their guardians. A change to regular standing may be made only by special vote of the faculty. Such students are required to take work in Biology, Chemistry, Physics, French or German, and may elect one course in some other language.

I. ASTRONOMY.

1, 2. General Astronomy. A descriptive and reasoned course concerning the heavenly bodies: their motions, real and apparent; their dimensions and masses; their nature and physical condition; their influences upon one another; and their services to man.

Three hours. Through the year. Elective for Juniors and Seniors.

II. BIBLICAL LITERATURE AND RELIGIOUS EDUCATION

1, 2. Introduction to the Bible. The story of the origin and growth of the Bible, and a general introduction to the different books with special emphasis on the literary forms. This will be followed by a study of the great characters of the Old Testament.

Three hours. Through the year. Elective for Freshmen.

3, 4. History of Religions. A comparative study of the great religious systems of mankind.

Three hours. Through the year. Elective for Sophomores.

5, 6. New Testament Religion and the main stages in the development of Christianity to the present day. A study of the documents of the New Testament in chronological order, and a description of the genesis and growth of certain of the more typical forms and phases of Christianity.

Three hours. Through the year. Elective for Juniors and Seniors.

7, 8. Christianity and Democracy. The nature of religion, the different types of the Christian religion that our democracy has inherited, the discovery of new religious values in our community life, and a social interpretation of certain fundamental religious beliefs.

Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1920-1921.

9, 10. New Testament Greek. Two courses offered by Professor Chase for students preparing for the Christian ministry. See Greek 9, 10.

11, 12. Hebrew Language.

Three hours. Through the year. Elective for Juniors and Seniors.

13, 14. Psychology. See Philosophy 2 and 3, offered by Dr. Britan.

Three hours. Through the year. Elective for Sophomores and Juniors.

15. History of Education, including religious education. See Education 1, offered by Dr. McDonald.

Three hours. First semester. Elective for Juniors.

16. Moral and Religious Development of Children and Youth.

Two hours. First semester. Elective for Juniors and Seniors. Dean Buswell.

[17. Materials and Methods in the Curriculum of the Church School. Principles and methods of teaching. Adapting the lesson material to persons of different ages. Material for lessons outside the Bible. Dr. McDonald.

Two hours. Second semester. Elective for Juniors and Seniors. Not offered in 1919-1920.]

18. Practice Course. Students pursuing courses in the Department of Biblical Literature and Religious Education may receive credit for teaching in approved Sunday schools. The conditions under which this teaching shall be done must be approved by the head of this Department, if the student expects to receive college credit for the same.

Connection with Sunday Schools. Bates College grants credit toward admission to College for Bible courses pursued in approved Sunday schools. Churches desiring to secure this credit for their members should make arrangements with the head of the Department of Religious Education.

College Extension Work. Members of the college faculty are prepared to aid in the conduct of community institutes of religious education and normal classes in local churches. Persons that pursue courses in such institutes or classes, and pass examinations on the same, may receive certificates of attainment from the Department of Religious Education, Bates College.

III. BIOLOGY.

General Biology

1. General Biology. This course deals with the general principles of the subject—life, growth, reproduction, irritability, elementary embryology, fundamental structural characteristics of both plants and animals, and with such topics as immunity and heredity. Instruction is given by means of recitations and laboratory work. Field work constitutes an important part of the course. Trips are taken into the surrounding country for the purpose of collecting and studying both plants and animals in their natural environment.

The aim of this course is to deal extensively with fundamentals; emphasizing the cultural aspects of the subject and the importance of accurate observation.

Two one-hour periods and one two-hour period. Second semester. Elective. This course should be taken by any one who plans to do further work in this department.

BOTANY

1. Morphology, Ecology and General Classification of the Plant Kingdom. The work of the course comprises recitations, lectures and laboratory exercises. A study is made of the principles upon which modern classification is based. Type specimens representing the various groups and sub-divisions of the vegetable kingdom are studied with respect to their distinctive characteristics, structure, etc., together with a consideration of the inter-relations of the groups. In the laboratory the student studies and sketches most of the specimens taken up in recitations.

The purpose of this course is twofold: (1) to give the student a knowledge of the structure and functions of representative types of the plant kingdom, and how these types are related to one another from an evolutionary viewpoint; (2) to continue the training in methods of precision and accuracy in observation so essential to all scientific work.

Two one-hour periods and one two-hour period. First semester. Elective. Biology 1 prerequisite.

2. Morphology, Physiology and Ecology of Flowering Plants. The method of instruction in this course is: (1) recitations upon the above subjects, as they are developed by a study of the text-book, by lectures and in laboratory work; (2) laboratory exercises, in which a careful study is made of the morphology of the various parts of the plant body. The seeds, roots, stems, leaves, flowers and fruits are taken up in succession. The structure and relation of these parts to the life processes of the plant are recorded in the laboratory note-book, by means of drawings and descriptive notes. Sufficient time is given to flower analysis, so that each student has such practice as will make him familiar

with the method of work. Considerable attention is given to field work.

The aim of this course is to give the student a general yet comprehensive knowledge of the life-processes and structure of the flowering plants.

Two one-hour periods and one two-hour period. Second semester. Elective. Biology 1 prerequisite.

ZOOLOGY

1, 2. General Principals of Zoology; and Morphology, Ecology and General Classification of Invertebrate Animals. Instruction is given by recitations and laboratory work. These courses aim to teach, first, the general principles of the subject, its history and subdivisions, the structure, development and functions of cells, tissues and organs, general embryology, etc.; second, the outlining of the principal groups of the animal kingdom, studying their ecology and morphology. The laboratory work is confined to representatives of the chief groups of invertebrates. Typical forms are studied microscopically or dissected, and careful drawings with descriptive notes must accompany the laboratory work.

Two one-hour recitation periods and one two-hour laboratory period. First semester. One one-hour recitation period and two two-hour laboratory periods. Second semester. Elective. Biology 1 prerequisite.

3, 4. Comparative Anatomy of Vertebrates. Instruction in this course is given chiefly by laboratory exercises and lectures. Type representatives of the different classes of Vertebrata are very thoroughly dissected and studied in a comparative way, from the lower forms to the higher. All observations and records are kept by means of drawings and notes. The course is intended especially for those who are particularly interested in biological science, or in the study of anatomy and medicine.

Three two-hour periods. Through the year. Elective. Biology 1, Zoology 1 and 2 prerequisites.

5, 6. Microscopic Technique, Histology, and Embryology. In these courses instruction is given by lectures, recitations and laboratory work. A study is made of the parts and use of the compound microscope, together with laboratory work upon the more essential methods of investigation. This involves practical work upon an invertebrate animal and the different tissues of vertebrates. The student experiments with the important methods of fixing, hardening, staining, dehydrating, clearing, imbedding, sectioning, and mounting objects for microscopic study.

Further, the student is introduced to the general subject of animal histology, by a careful study of the above preparations.

Three two-hour periods. Through the year. Elective. Biology 1, Zoology 1, 2, 3, and 4 prerequisites.

7. Genetics. The work in genetics is divided into two distinct courses:

7a. Heredity. In this course an attempt is made to summarize the general field of heredity by means of recitations, lectures, and discussions on library work. Believing that the subject of heredity is of great interest to, and should concern, everybody, an endeavor is made to take up the introductory work of this course in such a manner as to make it possible for the student without previous biological training to do the work.

Two hours. First semester. Elective for Seniors.

7b. Experimental Breeding. A laboratory course in which each student carries on several series of breeding experiments with some form that reproduces rapidly; drosophilia, mice, guinea pigs, and rabbits, are now being used.

One two-hour period. First semester. Elective. Zoology 1, 2, 3, and 4 prerequisites.

IV. CHEMISTRY.

Instruction in this department includes lectures, recitations and laboratory work and continues through the Freshman, Sophomore, Junior, and Senior years. The study

begins with lectures and recitations on the non-metallic elements and their compounds, and in connection with these subjects the elements of Theoretical Chemistry are taught, and the students are given practice in the solution of a variety of chemical problems.

1. Inorganic Chemiistry, the non-metals. This course is devoted to the elementary principles of the science. It deals with the nature and properties of the common elements and the application of the fundamental laws and theories concerning their combination. Recitations, experimental lectures, and laboratory work.

Two recitation periods and one two-hour laboratory period. First semester. Elective for Freshmen and Sophomores.

2. General and Experimental Chemistry. A continuation of course 1, dealing largely with the metallic elements and including a few of the more common carbon compounds. Recitations and lectures, with laboratory work.

Two recitation periods and one two-hour laboratory period. Second semester. Course 1 prerequisite.

3. Qualitative Analysis. An inductive course of basic and acid analysis. Laboratory work with lectures upon the methods and theories involved. It includes the separation of a large number of mixed compounds.

Three two-hour periods. First semester. Courses 1 and 2 prerequisites.

4. Organic Chemistry. An introduction to the study of the compounds of carbon, covering the methane and benzene series and their derivatives. This course deals with the preparation and chemical properties of the more important classes of organic compounds. Lectures and laboratory work.

Three two-hour periods. Second semester. Course 3 prerequisite.

5. Quantitative Analysis. Lectures on the theories and principles of quantitative analysis. Laboratory practice in

gravimetric and volumetric methods; separation and estimation of metals, acids, and water of crystallization.

Three two-hour periods. First semester. Courses 3 and 4 prerequisites.

6. Practical and Sanitary Analysis. A continuation of course 5, with additional work on alloys, ores, mineral waters, and foods, with various complex analyses and their applications.

Three two-hour periods. Second semester. Course 5 prerequisite.

7. Historical and Theoretical Chemistry. A lecture and reading course.

Two hours. First semester. Elective for Seniors.

8. Industrial Inorganic Chemistry. This course deals with all the industrial inorganic chemical processes by lectures and collateral reading. The laboratory work includes technical analyses and, when practical, a study of general operations on small scales. Text: Thorp's Outlines of Industrial Chemistry.

Three lectures and laboratory periods. First semester. Courses 5 and 6 prerequisite or parallel.

9. Industrial Organic Chemistry. This course deals with the study of the more important industrial organic processes. Special emphasis is placed upon the study of the textile processes. Texts: Thorp's Outlines of Industrial Chemistry, and Frap's Principles of Dyeing.

Course 8 prerequisite.

10. Elementary Physical Chemistry. This course presents those portions of physical chemistry which are essential for every chemist, student of medicine, or teacher. The laboratory work includes the determination of some of the fundamental physical constants, determination of molecular weights and a study of thermometry and temperature regulation.

Three lectures and laboratory periods. Course 5 prerequisite or parallel.

11. Physical Chemistry. A continuation of Course 10. The work includes the study of the application of electricity to chemistry, a study of colloids, viscosity, etc. The laboratory work includes experiments on electro-chemistry, colloids, etc.

Three lectures and laboratory periods. Second semester. Course 10 prerequisite.

12. Sanitary Chemistry. This is a lecture and reading course dealing with the primary necessities of life—air, food, water, and shelter,—and the subjects closely related to them.

One hour. Second semester. Elective for Seniors and Juniors.

13. Physiological Chemistry. Lectures and laboratory work. The chemistry of digestion is taken up, also the analysis of urine, blood, saliva and gastric juice. This is followed by the detection of poisons and the action of strong drugs on the system.

Two exercises. Second semester. Elective for Seniors.

14. Advanced Organic Chemistry. A laboratory course in the synthesis and analysis of typical aliphatic compounds.

Elective for Seniors. First semester. Course 4 prerequisite.

15. Advanced Organic Chemistry. This is a continuation of Course 14. The work includes the preparation and study of the aromatic hydrocarbons and their derivatives.

Second semester. Course 14 prerequisite.

V. ECONOMICS AND SOCIOLOGY

Economics

1. The Economic Environment. A course designed to acquaint the student with the economic phases of modern social life. The historical background of our economic system will be sketched in broad outline. Chief attention will

be given to the study of the outstanding features of the present economic system.

Three hours. Second semester.

Course 1 is open to all students. Courses 2 and 3 constitute a unit, and course 2 will not be counted for credit until 3 is completed. Other courses in economics are open to students that have completed courses 2 and 3.

2. Principles of Economics. A systematic treatment of the cardinal principles of Economics. Theories of value and of distribution constitute the main subjects of study. This course emphasizes fundamental principles, but directs attention always to their bearing on current problems.

First semester. Three hours. Elective for Sophomores.

3. Current Economic Problems. A comprehensive treatment of selected economic problems, such as population, money, credit and banking, trusts, railroads, the tariff, socialism, and the relation of the government to business.

Three hours. Second semester.

4. Business Finance. A study of money, banking, credit, and commercial crises, with special attention to their relation to business operations; also of the organization and financing of industrial corporations and of foreign trade, and of the functions of the stock exchange.

Three hours. First semester. Not offered in 1920-1921.

5. Labor Problems. A study of the wage system; the relations of employer and employee; labor organizations, their policies and methods; agencies of industrial peace; profit-sharing and labor co-partnership; unemployment, etc.

Three hours. Second semester. Not offered in 1920-1921.

6. Public Finance. This course covers the entire field of government finance, but lays chief emphasis on the subject of taxation. Attention will be given to: public expenditures; revenues; legislation and administration, and public credit. The problems of war finance will be fully treated.

Three hours. Second semester.

7. Business Organization and Control. This course aims to give the student a clear understanding of the general features of modern business, the forms of organization, and business administration. The problems of the government's relation to business will be carefully considered.

Three hours. First semester.

Sociology

1. Principles of Sociology. This course will include a study of (1) the origin and development of society; (2) existing society, the nature of association, the forces and laws which make social action possible, and social psychology; (3) the theories of progress considered with the view of working out definite principles to guide society in securing a higher degree of human well being.

Three hours. First semester. Elective for Juniors and Seniors.

[2. Applied Sociology. A discussion of certain social problems of modern life, with reference, on the one hand, to biologic and economic causes and, on the other hand, to policies and agencies directed toward the improvement of existing conditions.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1919-1920.]

3. Community Sociology. A study of modern community life, urban and rural, with the purpose of seeing the means and methods employed to secure a wholesome social life, to note defects and possible means of improving the existing organization.

Three hours. Second semester. Elective for Juniors and Seniors.

VI. EDUCATION.

The purpose of the following courses in Education is two-fold: first, to acquaint the student with the general nature, function, and importance of education as one of the means employed by society for its own development; second,

to give the student a clear conception of the educative process psychologically considered, and to help him develop from such knowledge the principles of school administration and class-room method. Theory is emphasized for the sake of breadth of view and perspective, and always with the understanding that the test of theory is correct and effective practice. Inasmuch as the courses are designed to meet the requirements of the various States for the work in this department, Philosophy 2 is a prerequisite or parallel to Education 1, 2, and 3.

1. History of Education. In this course attention is given to the development of educational thought and practice, as these were determined by social, political, economic, and religious conditions in various nations and periods. The essential features of the past are stressed as a basis for an intelligent knowledge of present-day theory and practice.

Three hours. First semester. Elective for Juniors.

[2. Principles and Problems of Secondary Education. This course deals with the meaning and scope of secondary education; the history of the secondary school; a comparison of the aims, organization, administration, and curricula of American and typical European secondary school systems.

Three hours. Second semester. Elective for Juniors. Not offered in 1919-1920.]

3. Educational Psychology. This course is designed to present the facts, so far as they have been scientifically determined, concerning the nature and development of the mind during childhood and youth, with special reference to the meaning of these facts to the teacher. It seeks to provide the student with sound criteria for estimating theories about the mental life, and it serves to introduce him to the present state of knowledge regarding man's innate tendencies, attention, perception, memory, imitation, curiosity, the learning process, practice and fatigue, characteristics of adolescence, individual differences, psychological tests, etc.

Three hours. First semester. Elective for Seniors.

4. Educational Sociology. An introductory course in the study of the sociological foundations of education. The various factors in the educational situation are analyzed and related, both for their cultural value in giving insight into the school as an institution and for their practical worth in formulating fundamental principles. The following are among the topics considered: the social basis of the school, the individual and the social group, the growth of democracy and its relation to education, social factors in school administration, the social origin and function of the curriculum, the essentials of the socialized school.

Three hours. Second semester. Elective for Juniors and Seniors. Education 1 or 3 prerequisite.

5. Educational Administration. A course designed especially for students desiring to fit themselves for work as superintendents or supervisors. Such topics as the following are discussed: the relation of the national government to education; forms of educational control; the school board and its functions; business administration, with special reference to school sites and buildings, construction, heating, ventilation, lighting, etc.; the grading of pupils, promotions, examinations, records, etc.; the supervision of instruction; the training of teachers in service.

Three hours. Second semester. Elective for Seniors. Education 4 and 6 prerequisite or parallel.

6. High School Management and Methods of Teaching. Discussion of fundamental principles of classroom control and teaching technique common to all subjects in secondary curricula, including drill, reflective thinking, questioning, use of books, laboratory methods, directed study, and measuring results.

An essential part of the course consists in the systematic observation of school management and class instruction in the high schools of Lewiston, Auburn, and neighboring towns. Written reports of these visits and observations are required periodically from each student in the course.

Three hours. Second semester. Elective for Seniors. Education 1 and 3 prerequisite.

Professional Teacher's Certificate

In order to qualify fully for secondary school teaching in the State of Maine, candidates are required to complete approved professional courses. In this connection the following combination of courses offered at Bates College has been approved by the Education Department of the State of Maine: Philosophy 2 (see p 00), Education 1, 2 (or 4), 3 and 6. The completion of this work, with not less than a grade of C, will entitle the graduate to the State Professional Secondary School Teacher's Certificate without further examination.

VII. ENGLISH

1. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of paragraphing and exposition.

Three hours. First semester. Required of Freshmen.

2. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of description and narration.

Three hours. Second semester. Required of Freshmen.

When a student completes courses 1 and 2, he receives a provisional pass mark. If at any time later in his college course he is found to be deficient in his English, he is required to do additional work until such deficiencies are corrected.

3. Argumentation. A systematic study of the principles and practice of argumentation. Attention to the analysis of propositions, evidence, construction of the brief and the argument, the rebuttal, and the delivery of the argument. Class debates and weekly themes.

Three hours. First semester. Required of Sophomores.

4a. Literature and Composition. A study of the drama and the short-story. Review of the drama from Shakespeare to Galsworthy. Consideration of Ibsen, Shaw, Synge, Maeterlinck, Wilde, and other contemporaries. The

history and technique of the English and American short-story. Extensive reading and discussion of Kipling, O. Henry, Poe, Hawthorne, London, Maupassant, Stevenson, and others. Lectures, conferences, reports and themes.

Three hours. Second semester. Elective for Sophomores. This course alternates with English 4b.

4b. LITERATURE AND COMPOSITION. The study of exposition, narration and description. Criticism of representative essays in modern thought. Analysis and practice of the familiar essay. Required readings in Arnold, Newman, Huxley, Stevenson, Lamb, Pater, and Harison. Technique of the novel. Review of Fielding, Jane Austen, Thackeray, and Meredith. Discussion of the material in the best current magazines. This course is intended to supplement English 1 and 2.

Three hours. Second semester. Elective for Sophomores. This course alternates with English 4a.

5. ADVANCED ARGUMENTATION. A review of the theory of argumentation. Inductive and deductive argument, fallacies, refutation. Preparation of briefs. Two periods each week given to debates of current economic, social, and political problems. Extemporaneous discussions. Weekly review of current events. Study of parliamentary law.

Three hours. Second semester. Elective for Sophomores.

6. AMERICAN LITERATURE. A study of the historical development of American Literature with special reference to contemporary movements in society, politics and religion. Lectures, discussions, and themes.

Three hours. Second semester. Elective for Sophomores.

7a. HISTORY OF ENGLISH LITERATURE to the end of the Elizabethan Age.

b. THE DRAMA. Lectures on the origin and development of the drama and its history from Aeschylus to Shakespeare.

Critical study of selected plays of Shakespeare, with required reading of other works of the Elizabethan Age.

Four hours. First semester. Required of Juniors.

8. Literature of the Seventeenth and Eighteenth Centuries. Critical study of selected works of prose and poetry, with lectures on the literary history and biography of the period. Required reading of other works, with research in the Library, reports, abstracts, and discussion in class.

Four hours. Second semester. Elective for Juniors.

9. Lectures on Literary Criticism, with special reference to fiction. Reading of selected works of the Nineteenth Century. Investigation of topics in literary history and criticism. Current literature.

Four hours. First semester. Elective for Seniors.

10. English Literature of the Nineteenth Century. Special study of Tennyson and Browning.

Four hours. Second semester. Elective for Seniors.

11. Teacher's Course. Designed for those who expect to teach English in secondary schools.

Extra, one hour. Second semester.

Sophomore Prize Debates

Preliminary Debates—All Sophomores are required to take part in these debates. A prize for excellence in debate is awarded in each division of the class.

First semester.

Champion Prize Debate—The six speakers presenting the best arguments in the preliminary debates participate in the Champion Prize Debate; all other Sophomores present essays on a prescribed subject, in competition for a prize.

Second semester.

Required Composition Work of Junior and Senior Years

This work, in continuation of that done in courses 1 to 4, is required of all members of the Junior and Senior classes,

whether they elect English or not. An essay is presented in each semester, as follows:

12[1]. Original Declamations on Assigned Subjects. Each member of the Class reads his declamation before a committee, by whom the best twelve are selected for delivery in a prize contest on the evening before Ivy Day.

Junior year, second semester.

13[1]. Original Parts for the Senior Prize Speaking. Each student reads his part before a committee, who choose twelve to speak in the Prize Contest.

Senior year, second semester.

14[1]. Commencement Parts. Every member of the class writes a part, but the Commencement speakers are chosen on the basis of scholarship.

Senior year, second semester.

VIII. FINE ARTS

A course designed to give the student the basis for an intelligent appreciation of the fine arts, Architecture, Sculpture, Painting and Music. Literature, since it already occupies so large a place in the curriculum, is introduced only for the sake of comparison and illustration. Each art is studied (1) for the sake of a historical background, and (2) in order to get acquainted with its elements and principles. Critical judgment and taste are sought by a constant examination of representative work.

Three hours. First semester. Elective for Juniors and Seniors.

IX. FORESTRY.

The completion of the following courses together with specified courses in other departments will entitle the student to the degree of Bachelor of Science in Forestry (B.S. in F.). Any one or all of Courses 1, 2, 3, and 4 may be of interest and value to students not intending to specialize in forestry. The character of the work in Courses 1 and 4 makes it practicable for women students to elect these courses.

1, 2. An Introduction to Forestry. A study of the economic and political basis of forestry dealing with forestry as a part of the conservation movement. The course aims to show the relation of forests to human welfare, the need for an economical use of forest resources, and the means conserving these resources.

One hour. Through the year. Required of Freshmen who are candidates for the degree of B.S. in F.

3, 4. Silviculture. A study of the principles of growing the forest crop, with particular reference to the forest problems of Maine and neighboring regions. The course involves much field work in the Bates Forest Nursery and on the Bates Forest.

Three hours. Through the year. Required of Sophomores who are candidates for the degree of B.S. in F.

5. Dendrology and Silvics. A study of the common trees and shrubs of Maine and surrounding regions; their classification, distribution, and habits of growth. Thorough practice in identification.

Three hours. First semester. Required of Juniors who are candidates for the degree of B.S. in F.

6. Dendrology and Silvics. A continuation of Course 4, extending the study of common trees and shrubs to cover the whole United States.

Three hours. Second semester. Required of Juniors who are candidates for the degree of B.S. in F.

7. Forest Protection. A study of the methods of combating fire, fungi, and insects, when they threaten forest growth.

Three hours. First semester. Required of Juniors who are candidates for the degree of B.S. in F.

8. Forest Utilization. A course in lumbering, milling, and marketing.

Three hours. Second semester. Required of Juniors who are candidates for the degree of B.S. in F.

9. Forest Physiography. A study of geology with special reference to present surface conditions as they affect silviculture and forest engineering.

Three hours. Second semester. Required of Juniors who are candidates for the degree of B.S. in F.

10. Forest Measurements. A course in the methods of determining the volume of logs and trees, the growth-rate of trees and forests, and the contents of stands of timber.

Two hours. In summer camp. Required of Juniors who are candidates for the degree of B.S. in F.

11. Timber Cruising. Practice in the making of timber estimates, and in self-maintenance during extended woods cruises.

Two hours. In summer camp. Required of Juniors who are candidates for the degree of B.S. in F.

12. Forest Management. A course in forest finance, and in the formulation of working plans to regulate the yield of forests.

Two hours. In summer camp. Required of Seniors who are candidates for the degree of B.S. in F.

13. Forest Utilization. A continuation of Course 8.

Three hours. First semester. Required of Seniors who are candidates for the degree of B.S. in F.

14. Wood Technology. A study of the physical properties of wood, including the identification of commercial species by microscopic examination.

Three hours. Second semester. Required of Seniors who are candidates for the degree of B.S. in F.

15. Advanced Silviculture. Detailed treatment of problems in growing and tending the forest crop, with attention to the methods of scientific investigation as applied to forestry.

Three hours. First semester. Required of Seniors who are candidates for the degree of B.S. in F.

16. Forest Policy. A study of the attitude toward forestry and forest conservation on the part of the states and

of the nation, as this attitude is and as it should be.

Three hours. Second semester. Required of Seniors who are candidates for the degree of B.S. in F.

17. LUMBERING. A course in the technique of getting logs from stump to mill, with incidental treatment of slash-disposal.

Three hours. First semester. Elective for Seniors.

18. FOREST ENGINEERING. A course in the location and construction of roads, dams, camps, and mills.

Three hours. Second semester. Elective for Seniors.

X. FRENCH

The purpose of instruction in French is two-fold:

(1) To secure a thorough and exact appreciation of the language, literature and life of a nation which more than any other in Europe has made large and lasting contributions to modern civilization in art, intellectual culture and literary attainment; and

(2) To afford a practical knowledge of the language indispensable almost, to all students pursuing scientific, political, social and commercial subjects.

French is elective except for Freshmen that enter College without any French. Students are, however, urgently advised to take at least one year of French in college during their course, and those who take Beginners' French, especially candidates for the B.S. degree, should arrange to take French for at least two years. A good reading knowledge of French, considered essential for the specialist in any profession, cannot be well attained in less time.

Students wishing to major in French should ordinarily select courses 5-6, 9-10 and one of the Senior courses, while those preparing to teach French should take at least six semester hours in French each year. The New England Modern Language Association recommends that at least one-third or one-fourth of the total number of hours required for a college degree should be considered a minimum for the

preparation of the prospective teacher in his chosen language specialty, and only those, therefore, should seek recommendation to teaching positions in French who have fulfilled these minimum requirements.

The wide interest, large activity and unquestioned success obtained by France in the pursuit of scientific investigation, emphasizes the necessity of having access to its results. Course 17-18 offers to students in chemistry and biology and related sciences, in mathematics, physics, engineering and medicine, an opportunity to secure a practical knowledge of the scientific French expressions, valuable to all students who look forward to post-graduate work in technical and other institutions.

1, 2. BEGINNERS' FRENCH. Pronunciation, Grammar, Reading, Composition.

Three hours. Through the year. Required of Freshmen that do not present French for admission.

3, 4. INTERMEDIATE FRENCH. A course in general and historical prose. Grammar and Composition.

Three hours. Through the year. Elective for Freshmen and Sophomores that present Elementary French for admission.

5, 6. ADVANCED FRENCH. Reading in authors belonging to special periods of French Literature.

Three hours. Through the year. Elective for students that have passed course 4 or that have passed the examination in Advanced French for admission.

7, 8. A TEACHER'S COURSE IN CONVERSATION AND ADVANCED FRENCH COMPOSITION. The course furnishes practice in speaking and writing French. It consists of dictations, composition, readings and talks in French and aims to enable the student to understand readily French when spoken and to give him thorough training in the use of the idioms of the language. Weekly lectures are also given, together with discussions on the practice and methods of teaching, and opportunities for actual teaching are provided.

Three hours. Through the year. Elective for students that have passed in course 6 and for others with the consent of the instructor.

9, 10. General Survey of French Literature. Lectures, reading, themes.

Three hours. Through the year. Elective. Course 6 prerequisite.

11, 12. French Literature of the Sixteenth and Seventeenth Centuries. Lectures, themes and collateral reading.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

13, 14. French Literature in the Eighteenth Century. Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

15, 16. French Literature in the Nineteenth Century. Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

17, 18. Scientific French. A course in scientific French is offered, intended to furnish facility in reading and understanding writings of a scientific character. Daniel's Scientific French Reader will be used, followed by texts on specific subjects in special departments, and the reading and discussion of articles from scientific journals.

One hour. Through the year. Elective. Course 6 prerequisite. By special arrangement this course may also be taken in conjunction with courses 7 and 8 to count for three hours.

XI. GEOLOGY.

1. Physical Geology. A study of the broad facts and principles of the science: the work of the atmosphere; of rain and running water; of lakes and the ocean; of ice as a geological agent; of underground water; of volcanoes and earthquakes; of the general structure of the Earth and the chief classes of rocks; the origin and history of mountains; and the leading facts about ore deposits.

Three periods of one or two hours each. First semester. Elective for Juniors and Seniors.

2. Historical Geology. A study of the origin of the Earth and its chief relations to the heavenly bodies; of its development throughout the eras of geological time; and the rise and changes of the principal types of animal and plant life. Special attention is given to the history of the North American Continent and its life; to the problem of the age of the Earth, and man's place in nature.

Three periods of one or two hours each. Second semester. Elective for Juniors and Seniors.

3. Economic Geology. A study of the nature, mode of occurrence and uses of the earth-substances which have commercial and industrial importance.

Three periods of one or two hours each. First semester. Elective for those that have passed in Geology 1 and 2.

4. Geography. A survey of the earth interpreted geologically and related to human activities.

Three hours. Second semester. Elective for those that have passed in Geology 1 and 2.

XII. GERMAN.

German is required for one year of students that do not present two units of German for entrance to college; it is elective during the remainder of the course, three hours per week.

The aim of the required work is the acquisition of a thorough knowledge of the fundamentals of German gram-

mar and the ability to translate into good English all texts read. The aim of the elective work is an introduction to the masterpieces of the German drama of the classical period, a general knowledge of the history of German literature, and a comprehensive view of the tendencies in German literature since Goethe's death.

Careful drill in pronunciation and the intelligent reading of the German text are insisted upon. Some practice in conversation is given, and German is used in the class-room as far as is deemed advisable by the instructor. In the elective courses a large amount of collateral reading outside the class-room is expected. Advanced grammar and composition are not lost sight of throughout the course, although no specialty is made of these subjects after the first year.

1, 2. Elementary German. Grammar, composition, pronunciation, dictation, reading of graded selections of German prose and poetry.

Three hours. Through the year. Elective for Freshmen that present French for admission; required of Sophomores that have not taken the equivalent.

3, 4. Intermediate German. Modern prose, narrative and dramatic. Selected works from such authors as Baumbach, Freytag, Grillparzer, Heyse, Keller, Riehl, Storm, and Wildenbruch. Review of the grammar of the first year, and study of the syntax based on the texts read. Prose composition.

The purpose of German 3 and 4 is to give the student facility in reading standard modern narrative prose.

Three hours. Through the year. Elective for Sophomores and Juniors. German 1 and 2 prerequisites.

3a, 4a. Review of Grammar, Prose Composition, Simple Conversation, Reading of Selected Works from Modern Authors. Intended primarily for Freshmen who present advanced German for entrance to college.

Three hours. Through the year.

5, 6. Introduction to German Literature of the Eighteenth Century. Selected dramas from Lessing,

Goethe, and Schiller. The purpose of German 5 and 6 is an introduction to the latest classical period in the history of German Literature. The work of the first semester deals mainly with Lessing, and with the Storm and Stress period as exemplified in the early works of Goethe and Schiller; during the second semester emphasis will be laid on the later works of Goethe and Schiller as expressive of the classical sympathies of the two poets.

German 5 and 6 can be pursued to best advantage by Juniors that have had German 3 and 4. Juniors that have had only German 1 and 2, and that do not plan to elect German 7 and 8, are recommended to elect German 3 and 4.

Three hours. Through the year. Elective for Juniors.

7. GOETHE'S FAUST. Part I and selected portions of Part II. In addition to a critical study of the text, special attention is given to the genesis and development of the Faust legend, and to the life of Goethe as reflected in Faust. Collateral reading in connection with the Faust theme.

Three hours. First semester. Elective for Seniors.

8. INTRODUCTION TO GERMAN LITERATURE OF THE NINETEENTH CENTURY. A rapid survey of the most important movements of the nineteenth century, with illustrative readings from various representative writers. The emphasis for the current year will be placed on the works of Hauptmann and Sudermann.

Three hours. Second semester. Elective for Seniors.

9, 10. OUTLINE HISTORY OF GERMAN LITERATURE. German 9 and 10 are intended primarily for Juniors that presented advanced French and German for admission, and have taken German 5 and 6. The work in the history of the literature, one hour a week, will be supplemented by an intensive study of some literary movement or author of the nineteenth century. The subject for 1919-1920 will be: German Drama of the Nineteenth Century.

Three hours. Through the year. Elective for Juniors after consultation with the instructor.

11, 12. Scientific German. These courses are intended for students that wish to acquire a reading knowledge of scientific German. During the first semester a general science reader, such as Meisnest's Introduction to Scientific German, Wait's German Science Reader, or Wallentin's Grundzüge der Naturlehre is used. The work of the second semester depends largely upon the demands of the class. If desired, a monograph dealing with some particular phase of biology, chemistry, or physics is read.

One hour. Through the year. Elective for Juniors and Seniors.

13, 14. Teachers' Course in German. German 13 and 14 are presented to students wishing to teach German. The work includes a general review of German grammar, the essentials of phonetics, practice in German conversation and a discussion of the problems, aims, text-books, and theories of instruction with respect to the German language and literature.

One hour. Through the year. Elective for Seniors.

XIII. GREEK

The courses are so arranged as to give the student a first-hand acquaintance with nearly all the divisions of the wide and varied field of Classical Greek Literature. The foremost purpose is to lead to an appreciation of the individual masterpieces read. At the same time the student is encouraged to become acquainted with the entire groups of which these separate works are specimens, and with the history, civilization and art of the periods to which they belong. Lectures and class and individual assignments of library work serve to enlarge the outlook gained from study of a single text. With the same end in view as many additional works as possible are covered through sight reading, and the reading and discussion of translations. While drill in grammar and syntax is not made the main end, accuracy and precision in these subjects are insisted upon throughout the course. Another constant purpose is to prepare intelligent and enthusiastic teachers of the Classics.

Students entering with complete or partial preparation in Greek will be admitted to course 5 or 7, or to course 3, according to the extent of their preparation. Special attention is called to courses 11 and 12, which require no knowledge of the Greek language, but are intended to bring the student, through English versions, into acquaintance with the whole range of Greek drama.

1, 2. First Year Greek. Grammar and composition, and reading of the Fourth Book of Xenophon's Anabasis.

Three hours. Through the year. Elective for Freshmen.

2a. Greek Literature. History and study of representative works and illustrative passages in English versions. Text-book, lectures, class-room study and library assignments. No knowledge of Greek is necessary.

Three hours. Second semester. Elective for Freshmen.

3, 4. Second Year Greek. Selections from Herodotus and Homer; the Alcestis of Euripides. Review of grammar and syntax.

Three hours. Through the year. Elective for Sophomores.

5. Plato, Apology and Crito, and selections from the Republic.

Three hours. First semester. Elective for Juniors and Seniors.

[6. Epic Poetry. Reading of selected books of the Iliad and of intervening passages in English versions; survey of the Odyssey; brief study of the epics of other literatures.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1919-1920.]

7. The Greek Tragic Poets. One play each of Aeschylus, Sophocles and Euripides will be read in the original, and most of the other plays studied in English versions.

Three hours. First semester. Elective for Juniors.

8. Greek Lyric Poetry.

Three hours. Second semester. Elective for Juniors and Seniors.

9, 10. New Testament Greek. The first semester the Gospel of John and the Book of Acts will be read. In the second semester the work will alternate, one year comprising the Gospel of Luke and the non-Pauline epistles, the succeeding year selected epistles of Paul. This course is very strongly recommended for all students perparing for the ministry, Christian Association or kindred work. It is open to all who have completed Second Year Greek, and to those who have completed First Year Greek, if judged proficient by the instructor.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

11, 12. The Greek Drama in English Versions. No knowledge of Greek is required for these courses. All the plays of Aeschylus and Sophocles will be read, and selected plays of Euripides, Aristophanes and Menander. Some attention will be given to the history of the development of the drama, but the main purpose will be the study of the plays as works of literature.

Three hours. Through the year. Elective for Juniors and Seniors.

XIV. HISTORY AND GOVERNMENT.

History

1. Mediæval Europe. A survey of the Roman Empire, the invasions of the German tribes, and a more detailed study of the Mediæval period. Special attention is given to such topics as Feudalism, the Crusades, the Church, and the Renaissance.

Three hours. First semester. Elective for Sophomores.

2. The Modern Age. The development of the leading Continental European nations up to 1789. A detailed study of the political and constitutional development of England is made. Course 1 must precede course 2.

Three hours. Second semester. Elective for Sophomores.

Courses 1 and 2 are considered fundamental to all later

work in history and are also valuable in preparation for many courses in other departments.

3. AMERICAN HISTORY TO *1829*. A study of the establishment of the various European Colonies in America, their expansion, their political, social, and economic development, the struggle between the French and the English for the possession of North America, the causes and progress of the Revolutionary War, the formation of the Constitution, and the rise of political parties.

Three hours. First semester. Elective for Juniors and Seniors.

4. AMERICAN HISTORY, *1829* TO THE PRESENT TIME. Attention is centered upon the growth of nationality, upon the political phase of the controversy over slavery, upon the Civil War and Reconstruction, and upon the more important features of recent American History. Course 3 must precede course 4.

Three hours. Second semester. Elective for Juniors and Seniors.

5. HISTORY OF EUROPE FROM 1789 TO 1870. Continuation of History 1, 2, French Revolution; the Napoleonic Wars; reconstruction of Europe; the revolutions of 1848; unification of Italy and Germany.

Three hours. First semester. Elective for Juniors and Seniors.

6. HISTORY OF EUROPE SINCE 1870. Expansion of Europe; social and industrial progress; international rivalries; causes of the Great War; survey of governments of England, France and Germany.

Three hours. Second semester. Elective for Juniors and Seniors.

7. GREEK AND ROMAN STATESMANSHIP. Greek and Roman History, studied with special reference to the problems encountered by statesmen in foreign relations and domestic politics.

Three hours. First semester. Elective for Freshmen. Professor Chase.

8. The Teaching of History. A study of the problems of secondary instruction with particular reference to history. Lectures on the place of history, the selection and use of text-books and other aids to historical instruction. Lesson plans and the results of observation of actual teaching will be dicussed. The teaching of civics will receive some attention.

One hour. Second semester. Elective for students that have had a minor in history.

Government

1. American Federal Government and Party System. A study of the American government, its executive, legislative and judicial departments, together with a study of the relation of the states to the nation and the American Party System, including a sketch of parties, party leaders and of presidential elections, with a study of party machinery and current party problems. Comparisons will be made with two or three European governments, particularly with reference to England.

Three hours. First semester. Elective for Juniors and Seniors.

2. State and Municipal Government in the United States. During the first part of the semester the state governments will be considered with attention to the problems which they present in the light of recent social and industrial developments. Most of the time will be given to a study of municipal government. This study will include: the history and development of municipal government in America; the organs of city government and their relation to each other; the relation of the municipality to public service corporations, and the problems of municipal ownership.

Two hours. Second semester. Elective for Juniors and Seniors.

XV. HOUSEHOLD ECONOMY.

The purpose of this department is to deepen interest in Woman's Work by directing those who are becoming intel-

lectual women to their special contribution to civilization in the home problems of the nation, the city, the town, the institution, or the private home. Its trend is cultural rather than vocational, as best fitted to the Academic College. The work covers four semesters.

BACTERIOLOGY AND SANITATION

The courses aim at making the student a more effective member of the home and of the community through an appreciative acquaintance with approved modern methods of household and municipal sanitary administration.

1. BACTERIOLOGY deals with the place of the microscopic fungi in nature, and with the structure, life history, and vital activities of yeasts, molds, and various types of bacteria. This study makes possible an understanding of the principles that govern growth and reproduction.

One hour. First semester. Required of Sophomores.

2. SANITATION applies these principles to the problems of personal, household, and municipal cleanliness; the construction and care of storage facilities; care, inspection, and sale of food supplies; construction and care of sanitary appliances; drainage; the disposal of wastes; disease, infection, immunity; the sick room; care of the public health, etc. Illustrations are taken from examples of progressive municipal sanitary practice. The place of bacteria in the industries, and their relation to the fertility of the soil are also briefly discussed. Lectures, papers, discussions.

One hour. Second semester. Required of Sophomores.

HOUSEHOLD MANAGEMENT

1, 2. In this course is discussed the wise division of the income for different needs; for food, housing, educational opportunities, amusements, social betterment, together with questions of marketing, selection of meats, etc., for greatest economy and nutrition, of diet for sick and well, of choice of architecture for home, location, lighting, ventilation. of

furnishings for utlity and beauty, and economy and suitability in clothes.

One hour. Through the year. Elective for Juniors and Seniors.

XVI. LATIN

Latin is offered throughout the four years three hours a week, except in Latin A, Latin B, and Latin 4a. The courses for Juniors and Seniors are given in alternate years, and are open to both classes.

The courses of study in this department have been arranged with the belief that an acquaintance with Latin literature is an essential of real culture. An effort is made to cultivate the ability to read Latin easily and at sight, to secure grace in translation, an appreciation of the literary worth of the author, and a clear mental picture of the life and times in which each wrote.

Students intending to devote themselves to the teaching of Latin are advised to pursue the study of Latin for at least three years, and of Greek for at least two.

Latin A. A thorough review of the fundamental principles of Latin Grammar, and the study of selections from Vergil's Aeneid.

Four hours. Through the year. Required of Freshmen that offer only three years of Latin for admission, and are candidates for the degree of Bachelor of Arts. Dean Buswell.

Latin B. Selected orations of Cicero, selections from Vergil's Aeneid, elementary Latin Composition.

Four hours. Through the year. Required of Freshmen that, entering as candidates for the degree of Bachelor of Science, offer only two years of Latin, but desire to qualify for the degree of Bachelor of Arts. Mr. Forbes.

1. CICERO: Selected Letters.

Three hours. First semester. Required of Freshmen that offer Advanced Latin for admission, and are candidates for the degree of Bachelor of Arts.

2. HORACE: Odes, Epodes, and *Carmen Saeculare.*

Three hours. Second semester. Required of Freshmen that have taken Latin 1 and are candidates for the degree of Bachelor of Arts.

3. CICERO: *De Senectute, De Amicitia,* and Tusculan Disputations, Book I.

Three hours. First semester. Elective for Sophomores.

4. LATIN COMEDY: Two plays of Plautus, and one of Terence.

Three hours. Second semester. Elective for Sophomores.

4a. LATIN COMPOSITION. This course is designed to meet the needs of students that expect to teach Latin.

One hour. Through the year. Elective for Sophomores, Juniors, and Seniors.

5. JUVENAL: Selected Satires. Martial: Selected Epigrams.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course.

6. TACITUS: Selections.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least two elective courses.

[7. PLINY THE YOUNGER: Selected Letters. Tibullus, Propertius, and Ovid: Selected Elegies.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course. Not offered in 1919-1920.]

[8. HORACE: Selected Satires and Epistles.

Three hours. Second semester. Elective for Juniors and Seniors that have completed at least two elective courses. Not offered in 1919-1920.]

XVII. MATHEMATICS.

1. ALGEBRA AND SOLID GEOMETRY. Ratio and proportion, variation, series, binomial theorem, undetermined coefficients, logarithms, permutations and combinations, continued fractions, theory of equation, graphic algebra. Wells' College

Algebra. This portion of the work closes before the holiday vacation, and the remainder of the semester is given to solid geometry, which includes polyhedral angles, the various solids bounded by planes, the cone, the cylinder, and the sphere. This course includes a large amount of original work in demonstration and computation. Phillips and Strong's Elements of Geometry.

Three hours. First semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

2. Solid Geometry and Trigonometry. Plane Trigonometry with problems and applications. Phillips and Strong's Trigonometry.

Three hours. Second semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

3. Spherical Trigonometry, Surveying and Plane Analytic Geometry. This is a continuation of course 2, with problems and applications to astronomy. This portion of the work closes the fourth week and the remainder of the time before the holiday recess is given to surveying which includes the theory of chain, compass, and transit surveying, leveling, the adjustment and use of instruments, computation of area, and scale drawings. Raymond's Plane Surveying. The remainder of the term is given to Plane Analytic Geometry. A study of the point and line. Tanner and Allen's Analytic Geometry.

Three hours. First semester. Elective for Sophomores.

4. Analytic Geometry. A combination of course 3. The circle and transformation of co-ordinates, conic sections, equation of second degree, elements of solid analytic geometry.

Three hours. Second semester. Elective. Course 3 prerequisite.

5. Differential Calculus. Differentiation of algebraic and transcendental functions with application to problems, change of the variables in derivatives, maxima and minima of functions of two or more independent variables, curve tracing, envelopes. Osborne's Differential and Integral Calculus.

Three hours. First semester. Elective. Courses 3 and 4 prerequisites.

6. Integral Calculus. Various methods of integration with applications.

Three hours. Second semester. Elective. Courses 3, 4, and 5 prerequisites.

7. Integral Calculus Completed and Differential Equations. Integration as a summation, successive integration, surface, volume and moment of inertia of any solid, center of gravity, pressure of fluids, force of attraction. This portion of the work closes with the tenth week of the first semester and the remainder of the semester is given to Differential Equations (Elementary course). Solution of ordinary and partial differential equations with applications to geometry and physics. Campbell's Differential Equations.

Three hours. First semester. Elective. Courses 3 to 6 prerequisites.

8a. Differential Equations Completed. This is a continuation of course 7 and closes before the spring vacation.

8b. Determinants and Theory of Equations. This course is devoted to determinants, complex quantities, properties of polynomials, general properties of equations, symmetric functions, limits and separations of the roots of an equation, elimination and solution of numerical equations. Barton's Theory of Equations.

Three hours. Second semester Elective for Seniors.

XVIII. PHILOSOPHY.

1. Christian Ethics. The aim of this course is to derive from the life and teachings of Christ the ideals and principles that are permanently applicable to human conduct, and to show their relations to the problems of individual character and of social progress presented in the life of today. The Bible and Stalker's "Life of Christ" are used as text-books. There is a constant endeavor to make the

work practical. To this end, topics requiring special reading are assigned, essays and discussions are prescribed, and occasional talks and lectures are given.

One hour. First semester. Required of Freshmen.

2. Psychology. A general introductory course in the elements of mental activity. The neurological basis of conscious processes is examined, and data thus gained are applied to the explanation of human behavior. The biological point of view is kept constantly in mind.

This course serves as a foundation for the work in Education.

Three hours. The course is given each semester. Elective for Sophomores and Juniors.

3. Social Psychology. A more intensive and extended study of psychological principles and of their application to the practical problems of individual and social development.

Three hours. First semester. Elective for students that have had course 2.

4. Psychology of the Moral and Religious Life. The course is designed to acquaint the student with the psychological principles upon which character and personality are founded and with the facts and forces that underlie religious experience.

Three hours. Second semester. Elective for students that have had course 2.

5. History of Philosophy. The aim of the course is to familiarize the student with the fundamental problems of philosophy as they have developed historically and to give him some exercise in critical and constructive thinking.

Three hours. First semester. Elective for Juniors and Seniors.

6. Introduction to Philosophy. A general introduction to the field of Philosophy by the topical plan. After a brief survey of the various problems with which Philosophy deals, some of the more important ones are taken up for a more intensive study.

Three hours. First semester. Elective for Juniors and Seniors. Not offered in 1920-1921.

7. The Philosophy of Evolution. An historical and critical examination of the evolutionary hypothesis to determine its bearing on the problems of Metaphysics, Ethics, and Religion, and its authority in these fields.

Three hours. Second semester. Elective for Juniors and Seniors.

8. Ethics. A course in the history, theories, and applications of morality. After a brief summary of the course of moral development, an examination of various ethical theories is made with a view to finding a satisfactory basis for individual and social morality. Stress is then laid upon the application of ethical principles to the problems and conditions of life today.

Three hours. Second semester. Elective for Juniors and Seniors.

XIX. PHYSICS.

1, 2. Elementary Mechanics. General Physics.

Four hours. Through the year. Required of Sophomores that are candidates for the degree of B.S.

Courses 1, 2 form the basis for advanced work in physics. They treat of the fundamental principles of the entire subject, mechanics of solids, liquids, and gases, heat, magnetism and electricity, sound, and light. While emphasis is placed on the mathematical treatment of the subjects, considerable attention is given to the descriptive and historical aspects of physics.

The laboratory work is purely quantitative and is designed to illustrate the principles studied in the class-room, to train the student's power of observation, and to give him some technical knowledge of physical measurements.

3, 4. General Physics.

Two recitation periods and one two-hour laboratory period per week. Through the year. Elective for Sophomores that are candidates for the degree of A.B.

Courses 3, 4 are designed to meet the needs of students that intend to teach physics in a High School. The cultural rather than the technical side of the subject will be emphasized. A representative high school text will be discussed in the class-room, while the laboratory work will include many experiments suitable for use in secondary schools.

5, 6. Laboratory Physics.

Three two-hour periods. Through the year. Elective for Juniors. Physics 3, 4 and Mathematics 3, 4 prerequisites.

Courses 5, 6 are designed to give the student a good working knowledge of practical physics. The problems studied include the calibration and standardization of various measuring instruments; the determination of specific heat; experiments on the diffraction and interference of light, spectrum analysis; measurements of currents, electromotive forces, capacities, and magnetic constants. The apparatus available for these courses is of high grade and includes standards of length, resistance, capacity, etc., certified by the Physikalisch-Technische Reichsanstalt.

[7, 8. Laboratory Physics (advanced course).

Three three-hour periods per week. Through the year. Elective for Seniors. Physics 5, 6 and Mathematics 5, 6 prerequisites. Not offered in 1919-1920.]

This course comprises electrical measurements of precision: including high and low resstance, temperature coefficients of resistance, absolute capacity determinations, current and potential measurements with the potentiometer and standard cells, magnetic properties of iron, etc. The student is expected to arrange the necessary apparatus and to construct in the shop such subsidiary apparatus as may be needed. He is required to make use of the reference library in studying the various methods employed in practical and absolute electrical measurements.

9, 10. Advanced Electricity and Dynamos and Motors.

Three hours per week. Through the year. Elective for Seniors. Physics 5, 6 and Mathematics 5, 6 prerequisites.

A study of the theory, construction, and operation of direct and alternating current apparatus: generators, motors, synchronous converters, transformers, etc. The solution and discussion of a large number of practical problems forms an important part of the work. Experimental illustration in the laboratory is correlated with the class-room work.

MECHANICAL DRAWING

The courses in drawing are designed to meet the requirements of students intending to study civil, mechanical, or electrical engineering. The work is made as practical as possible.

1, 2. MECHANICAL DRAWING. The use of instruments. Geometrical problems and projection. Simple mechanical details. Introductory to all courses in drawing.

Three periods per week. Through the year. Elective for Freshmen.

3, 4. MACHINE DRAWING. Elementary course.

Three periods per week. Through the year. Elective for Sophomores.

5. TOPOGRAPHICAL DRAWING.

Three periods per week. Second semester. Elective for Sophomores.

XX. PUBLIC SPEAKING.

The required work in Oratory of the Freshman and Sophomore years is largely preparatory in its nature, and deals with the technical side of Public Speaking. The student is shown the relation of the mind to Vocal and Pantomimic Expression, and is taught to think more clearly and definitely. Concentration, sequence of ideas and conception are studied the Freshman year, and the logical action of the mind, as shown by the various methods of emphasis, is discussed and exemplified the Sophomore year. Vocal and Pantomimic training is studied and attention is called to faults of tone and bearing, and to mannerisms and defects in speech.

1. The Study and Development of Elemental Thought Processes as Related to Vocal Expression. Attention. Sequence of ideas. Conception.

Vocal training. Correct method of breathing. Openness of tone passage. Preparatory actions for speech. Ease, freedom, and openness in tone production. The study of articulation, enunciation, and pronunciation.

Prize Speaking, in which every member of the Freshman Class is prepared by special instruction and drill, and in which the principles studied in class are applied to public speaking.

One hour. Second semester. Required of Freshmen.

2. The Development of the Logical Instinct in Speaking. The study of Emphasis and its various forms of expression. Inflection. Change of Pitch. Pause. Antithesis. Subordination. Movement. Force.

Vocal Training, to secure control of breath and elasticity of tone.

One hour. First semester. Required of Sophomores.

Prize Speaking, in which every member of the Sophomore Class is prepared by special instruction and drill.

One hour. First semester. Required of Sophomores.

3. Public Speaking. Beginning with the simplest forms of extempore speaking, each student is required to describe before the class something from his own experience, as a visit to some large city, a noted building, a work of art, a journey taken, until some freedom in speaking before the class has been gained, and then the parts of the speech (the introduction, statement, body and conclusion) are studied and more finished speeches are made by the students. These speeches are criticised for form and manner of delivery, by the students and instructor.

Special training for students competing for the Junior Prize Speaking.

One hour. Second semester. Elective for Sophomores.

4. Public Speaking (continued.) This course is open to the members of the Junior and Senior classes who have

completed the preceding courses. The various forms of "Speeches for Special Occasions" are studied and original examples are presented by each member of the class.

One hour. First semester.

5. Development of the Dramatic Instinct. The study of a Shakespearean play and short scenes from the old comedies.

One hour. Second semester. Elective for Seniors.

6. Class in Methods of Teaching Elocution and Oratory designed to aid those who may have to coach students in Prize Speaking contests and Graduating Parts.

One hour. Second semester. Elective for Seniors.

XXI. SPANISH

1, 2. Elements of Spanish. Pronunciation, grammar, composition, translation of graded selections of prose and poetry, sight-reading and dictation.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

3, 4. Advanced Readings in Spanish Classics, and Composition. Studies in Spanish-American Literature.

Three hours. Through the year.

5, 6. Studies in Modern Spanish. Composition; commercial and industrial Spanish; history of Spanish language and literature.

Three hours. Through the year.

XXII. HYGIENE AND PHYSICAL EDUCATION

In the Departments of Hygiene and Physical Education required courses are given both to men and women; courses in Physiology are required of men and women in the Freshman year.

Physical Training courses count as required courses, and receive credit in semester hours on the same basis as laboratory work; the work in military training, when offered, counts toward the Physical Training credits for the semester.

The total number of hours' credit for Physical Training, however, shall not exceed nine semester hours for the four years.

Hygiene for Men

The Director of Physical Training gives each young man entering the Freshman Class a thorough physical examination during the first term of his attendance at College. From the measurements and strength tests taken, a chart is made out for each student, showing his size, strength, and symmetry, in comparison with the normal standard, and also what parts of the body are defective in either strength or development. A hand-book containing the exercises prescribed for the correction of any physical defects shown by his chart, and giving specific directions in regard to diet and bathing, is furnished each student.

When any student is found defective in vision, he receives from one of the college oculists the specific treatment that his case may require.

Anson A. Cobb, M.D., 236 Main St., Auburn.
Charles E. Norton, M.D., 65 Lisbon Street.
Frederick S. Wakefield, A.B., M.D., 342 Main Street.
George P. Emmons, A.M., M.D., 138 Lisbon Street.

1, 2. Physiology, Anatomy, and Hygiene. Instruction in this course is given by lectures and recitations. This course is devoted chiefly to Physiology and Hygiene with emphasis placed upon Hygiene. "The Human Mechanism" by Hough and Sedgwick is used as a text. A course of practical lectures dealing with certain phases of personal hygiene: ways and means of securing and conserving health; habits; causes of disease; carriers of disease; defences against disease.

Two hours. Through the year. Required of Freshmen.

Physical Training for Men

1. Class Exercises: Military drill, setting-up exercises, and Indian-club swinging. Squad exercises (graded to suit

the strength of each division): Basketball, indoor athletics, chest-weights, developing appliances, bar, rings, etc. From the first of November to the first of April. Required of Freshmen.

2. Class Exercises: Setting-up exercises, dumb-bell drill. Squad exercises: Boxing, wrestling, and heavy gymnastics, basketball, indoor athletics. Required of Sophomores.

3. Class Exercises: Setting-up exercises. Squad-exercises: Basketball, indoor athletics, heavy gymnastics. Required of Juniors.

Hygiene and Physical Education for Women

1. Hygiene, Anatomy and Physiology. This course aims to give a practical knowledge of the structure and operation, proper management, protection and care of the human body.

Two hours. Through the year. Required of Freshmen.

2. Physical Training: in the gymnasium or outdoors. This branch of the work aims at the promotion of bodily health and strength, the correction of faulty postures, relaxation from mental work, and the development of precision, alertness and grace of movement.

(a) Class Exercises: Swedish gymnastics, marching, apparatus work, and folk dancing, in the winter. A choice of field hockey, tennis and hiking in the fall; baseball, tennis and track in the spring.

Three hours. Through the year. Required of Freshmen.

(b) Class Exercises: Advanced Swedish gymnastics, marching, apparatus work, and aesthetic dancing. A choice of sports in the fall and spring.

Three hours. Through the year. Required of Sophomores.

Note—A careful physical and medical examination is made of each new student by a woman physician and the physical director, to ascertain her abilities and limitations.

A fee of $15.85 is charged to cover the expense of gymnasium suit, shoes, dues to the Athletic Association for the first semester, medical examination, etc.

(c) Class Exercises: Indian club, wand, or dumb-bell drill, marching, apparatus work, and aesthetic dancing. A choice of sports in the fall and spring.

Three hours. Through the year. Required of Juniors.

(d) Gymnastic Teaching. A study of the teaching of Swedish gymnastics. Especially adapted for those wishing to supplement the teaching of other subjects with gymnastics and coaching sports. Interpretive dancing. Sports.

Two hours. Through the year. Elective for Seniors.

3. Corrective and Light Gymnastics. Special exercises to overcome faults in posture, also special exercises for those who have physical limitations.

Three hours. Through the year. Required of those in the three lower classes who do not take any of the courses under 2.

The Gymnastic Meet ends the indoor work. All sports including volley ball and basketball are played off by class teams.

Athletic Association. A student organization to help promote interest in physical education in general. The sports are carried on under its direction with the help of the director. All sports are supervised. Dues: $2.00 a semester.

OUTLINE OF STUDIES

The figure preceding a subject indicates the number of the course in that study as explained on pages 38 to 82. The figure following a subject indicates the number of exercises per week. Electives are italicized. The left-hand column in the Freshman year shows the arrangement of courses for students who are candidates for the A.B. degree; the right-hand column, the arrangement for candidates for the B.S. degree. Subjects in square [ ] are not offered in 1919-1920.

FRESHMAN YEAR

First Semester

A.B.		B.S.	
1 English	3	1 English	3
1, 3, 5 French or	3	1, 3 French or	3
1, 3, 3a German	3	1, 3, 3a German	3
1 Latin	3	1 Mathematics	3
Latin A	4	1 †Physical Education	3
Latin B	4	1 Physiology	2
1 †Physical Education	3	1 *Biblical Literature*	3
1 Physiology	2	1 *Chemistry*	3
1 *Physiology	2	1 *Latin*	3
1 *Biblical Literature*	3	1 *Mechanical Drawing*	3
1 *Chemistry*	3	7 *Statesmanship*	3
1 *Greek*	3		
1 *Mathematics*	3		
1 *Mechanical Drawing*	3		
1*a*, **Physical Education*	3		
7 *Statesmanship*	3		

*Required of women. **Required of women. †Required of men.

Second Semester

2	English	3	2 English	3
2, 4, 6	French or	3	1 Forestry	1
2, 4, 4a	German	3	2, 4 French or	3
2	Latin	3	2, 4, 4*a* German	3
	Latin A	4	2 Mathematics	3
	Latin B	4	1 Public Speaking	1
1	†Physical Education	3	2 *Biblical Literature*	3
1*a*	*Physical Education	3	1 *Biology*	3
2	Physiology	3	2 *Chemistry*	3
1	Public Speaking	1	1 *Economics*	3
2	*Biblical Literature*	3	2 *Latin*	3
1	*Biology*	3	2 *Mechanical Drawing*	3
2	*Chemistry*	3	2 *Ornithology*	1
1	*Economics*	3		
2*a*, 2	*Greek*	3		
2	*Mathematics*	3		
2	*Mechanical Drawing*	3		

*Required of women. †Required of men.

SOPHOMORE YEAR

For differences between the A.B. and B.S. courses after the Freshman year consult Major and Minor Requirements on pages 90-91.

1	*Bacteriology	1	5, 7, 9 *French*	3
3	English	3	3 *German*	3
2	Forestry (B.S.)	3	3, 9 *Greek*	3
1	German	3	1 *History*	3
2	**Hygiene	1	3 *Latin*	3
2	**Physical Education	3	4*a* *Latin*	1
3	*Physical Education	3	3 *Machine Drawing*	3
1	Physics	4	3 *Mathematics*	3
2	Public Speaking	1	2 *Physical Education*	1
3	*Biblical Literature*	3	4 *Physics* (A.B.)	3
1	*Botany*	3	2 *Psychology*	3
1	*Chemistry*	3	1 *Spanish*	3
2	*Economics*	3	1 *Zoology*	3

*Required of women. **Required of men.

Second Semester

3 Forestry (B.S.)	3	4 *German*	3
2 German	3	4, 10 *Greek*	3
2 Physics (B.S.)	4	2 *History*	3
3 **Hygiene	1	4 *Latin*	3
2 **Physical Education	3	4*a* *Latin*	1
3 *Physical Education	3	[4 *Machine Drawing*	3]
2 *Sanitation	1	4 *Mathematics*	3
4 *Biblical Literature*	3	5 *Physics* (A.B.)	3
2 *Chemistry*	3	2 *Psychology*	3
1 *Biology*	3	3 *Public Speaking*	1
2 *Botany*	3	2 *Spanish*	3
[1], 3, [5], 6 *Economics*	3	[5 *Topographical Drawing*	3]
4*a*, 4*b*, 5, 6 *English*	3	2 *Zoology*	3
6, 8, 10 *French*	3		

*Required of women. **Required of men.

JUNIOR YEAR

First Semester

7 English	4	1 *Government*	3
4, 6 Forestry (B.S.)	3	5, [7], 8, 9 *Greek*	3
3 †Physical Education	3	11 *Greek Drama*	3
3 *Physical Education	2	10 Hebrew	3
1 *Astronomy*	3	3, 5 *History*	3
5, 7, 11 *Biblical Literature*	3	1 **Household Management*	1
16 *Biblical Literature*	2	4*a* *Latin*	1
1 *Botany*	3	5, [7] *Latin*	3
3 *Chemistry*	3	7 *Logic*	3
2, 4, 7 *Economics*	3	5 *Mathematics*	3
1 *Education*	3	5 *Philosophy*	3
1 *Fine Arts*	3	2 *Physical Education*	3
5, 7, 9, 11, 13, 15 *French*	3	6 *Physics*	3
17 *French*	1	2, 3 *Psychology*	3
1, 3 *Geology*	3	4 *Public Speaking*	1
5, 9 *German*	3	1 *Sociology*	3
11 *German*	1	1, 3 *Spanish*	3
		3 *Zoology*	3

*Required of women. **Elective for women. †Required of men.

Second Semester

5, 7 Forestry (B.S.)	3	12 *German*	1
3 †Physical Education	3	2 *Government*	2
3 *Physical Education	3	[6], 8, 10 *Greek*	3
2 *Astronomy*	3	12 *Greek Drama*	3
6, 8, 12 *Biblical Literature*	3	11 *Hebrew*	3
[17 *Biblical Literature*	2]	4 *History*	3
2 *Botany*	3	6 *History*	1
4 *Chemistry*	3	2 ***Household Management*	1
9 *Chemistry*	1	4*a Latin*	1
[1], 3, 5, [6] *Economics*	3	6, [8] *Latin*	3
[2], 4 *Education*	3	6 *Mathematics*	3
8 *English*	4	6, 8 *Philosophy*	3
8 *Ethics*	3	7 *Physics*	3
6, 8, 10, 12, 14, 16 *French*	3	2, 4 *Psychology*	3
18 *French*	1	[2], 3 *Sociology*	3
2, 4 *Geology*	3	2, 4 *Spanish*	3
6, 10 *German*	3	4 *Zoology*	3

*Required of women. **Elective for women. †Required of men.

SENIOR YEAR

First Semester

8, 10, 12, 14 Forestry (B.S.)	3	10 *Hebrew*	3
3 *Physical Education	3	3, 5 *History*	3
1 *Astronomy*	3	1 ***Household Management*	1
5, 7, 11 *Biblical Literature*	3	4*a Latin*	1
16 *Biblical Literature*	2	5, [7] *Latin*	3
5 *Chemistry*	3	7 *Logic*	3
[7], 8, 11 *Chemistry*	3	7 *Mathematics*	3
2, 4, 7 *Economics*	3	5 *Philosophy*	3
3 *Education*	3	2 *Physical Education*	3
9 *English*	4	3 *Psychology*	3
1 *Fine Arts*	3	8, 10 *Physics*	3
7, 9, 11, 13, 15 *French*	3	4 *Public Speaking*	1
17 *French*	1	1 *Sociology*	3
1, 3 *Geology*	3		

7 *German*	3	11 *Greek Drama*	3
11, 13 *German*	1	1, 3 *Spanish*	3
1 *Government*	3	5 *Zoology*	3
5, [7], 8, 9 *Greek*	3	7*a* *Zoology*	2
		7*b* *Zoology*	1

*Required of women. **Elective for women.

Second Semester

2 *Physical Education	3	[2] *Government*	3
9, 11, 13, 15 Forestry (B.S.)	3	[6], 8, 10 *Greek*	3
2 *Astronomy*	3	12 *Greek Drama*	3
6, 8, 12 *Biblical Literature*	3	11 *Hebrew*	3
[17 *Biblical Literature*	2]	4 *History*	3
6, 8, 11 *Chemistry*	3	6 *History*	1
9 *Chemistry*	1	2 ***Household Management*	1
[10 *Chemistry*	2]	4*a* *Latin*	1
[1], 3, 5 *Economics*	3	6, [8] *Latin*	3
4, 5, 6 *Education*	3	8 *Mathematics*	3
8 *Ethics*	3	6, 8 *Philosophy*	3
10 *English*	4	9, 11 *Physics*	3
11 *English*	1	4 *Psychology*	3
8, 10, 12, 14, 16 *French*	3	5, 6 *Public Speaking*	1
18 *French*	1	[2], 3 *Sociology*	3
2, 4 *Geology*	3	2, 4 *Spanish*	3
8 *German*	3	6 *Zoology*	3
12, 14 *German*	1		

*Required of women. **Elective for women.

After the first semester of the Freshman year students elect subjects enough to make not less than 15 hours per week (16 including Public Speaking), and not more than 17, except by special permission.

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

Outline of required courses leading to the degree of B.S. in Forestry.

FRESHMAN YEAR

First Semester			*Second Semester*	
1 Forestry	1	2 Forestry		1
1 English	3	2 English		3
1 Mathematics	3	2 Mathematics		3
French or German	3	French or German		3
1 Mechanical Drawing	3	1 Biology		3
1 Physiology	2			

SOPHOMORE YEAR

3 Forestry (Silviculture)	3	4 Forestry (Silviculture)	3
French or German	3	French or German	3
3 Mathematics	3	4 Mathematics	3
2 Physics	3	3 Physics	3
1 Zoology	3	2 Zoology	3
1 Botany	3	2 Botany	3
2 Hygiene	1	3 Hygiene	1

JUNIOR YEAR

5 Forestry (Dendrology)	3	6 Forestry (Dendrology)	3
7 Forestry (Protection)	3	8 Forestry (Utilization)	3
1 Geology	3	9 Forestry (Physiography)	3
3 History (American)	3	4 History (American)	3
3 English (Argumentation)	3	1 Economics	3
Elective	3	Elective	3

SUMMER CAMP

10 Forestry (Measurements)	2
11 Forestry (Timber Cruising)	2
12 Forestry (Management)	2

SENIOR YEAR

13 Forestry (Utilization)	3	14 Forestry (Wood Technology)	3
15 Forestry (Silviculture)	3	16 Forestry (Policy)	3
2 Economics	3	3 Economics	3
Elective	3	Elective	3
Elective	3	Elective	3

DEGREES AND HONORS

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

BACHELOR'S DEGREE

The Bachelor's degree is conferred on all students that complete satisfactorily one hundred and thirty-one semester hours in the requisite courses, nine semester hours of which are to be in the department of Physical Training. Each candidate for this degree must submit not later than May 15th of his Senior year a thesis of not less than one thousand words upon some subject representative of his accepted Major. His subject for this thesis must be selected from a list presented by the head of the department in which he has chosen his Major. Candidates are invited to submit subjects for the approval of those in charge of the lists.

MASTER'S DEGREE

The degree of Master of Arts is conferred on graduates of the College of at least three years' standing who have completed one year's graduate non-professional study or its equivalent. Either two or three subjects may be selected, with the advice and under the direction of the heads of the College departments. Evidence of proficiency is to be given by examinations and theses. Theses must be presented and fees paid as early as June 1st, and final examinations must be passed not later than ten days before the annual Commencement. The fee is $10.00. Modifications of the foregoing conditions may be granted resident graduates. Further information on the subject may be obtained by writing to the Secretary.

GROUP ARRANGEMENT OF STUDIES

The different departments of instruction are arranged under three groups: I, Languages; II, Philosophy (including History and the Social Sciences); and III, Sciences (including Mathematics).

GROUP I	GROUP II	GROUP III
Languages	**Philosophy**	**Sciences**
English	Biblical Literature and Religion	Astronomy
French	Economics	Biology
German	Education	Botany
Greek	Ethics	Chemistry
Hebrew	Fine Arts	Engineering
Latin	Government	Geology
Spanish	History	Mathematics
	Philosophy	Ornithology
	Psychology	Physics
		Physiology
		Zoology

REQUIREMENTS

A candidate for the degree of Bachelor of Arts must complete before graduation a Major subject in Group I or II, and a Minor subject in each of the other groups. A candidate for the degree of Bachelor of Science must complete before graduation a Major and a Minor subject in Group III, and a Minor in each of the other Groups.

In the departments of French and German, each student must present for entrance two accepted units of preparatory work, or take one year in College.

In complying with the above conditions, subjects indicated as required in the "Outline of Studies" may count equally with electives. A student in making his selections for the Junior year should indicate in which Group he intends to secure his Major, and in making his selections for the Senior year should indicate the Departments in which he intends to secure his Major and his Minors.

MAJORS AND MINORS

All candidates for degrees are required to make their selections with reference to Major and Minor subjects.

A Major subject is one which is pursued at least three hours a week for three years, including the Senior year; in case of "alternate" courses in the foreign languages, if a Senior course is pursued during the Junior year, the Major may be completed at the end of the Junior year.

A Minor subject is one which is pursued at least three hours per week for two consecutive years, or consists of six three-hour courses of definitely related subjects, and may be pursued in any of the subjects possible for Majors. Three single years' work in as many subjects in the various departments of any one group will also be accepted as a Minor. In certain other cases, by arrangement with the Committee on Curriculum, a Major or a Minor study may be kept up by a combination of related courses from different departments.

English 1, 2, French 1, 2, German 1, 2 (if begun in the Freshman year), History 7, Latin A, B, and Physics 1 must not be counted towards a Minor.

HONORS

The method of awarding honors and assigning Commencement parts is as follows: Six honors, three to young men and three to young women, are awarded for Scholarship in each of the three general Groups as given under the Group Arrangement of Studies.

From the eighteen persons receiving these honors eight are selected to deliver Commencement parts.

1. A committee of three shall be appointed representing each group of studies, who shall present to the Faculty for consideration the names of members of the Senior Class whose rank is 85 or more in any group, and averages at least 80 in all studies.

2. In making up the rank for the assignment of honors, the work of the Freshman year shall not be counted.

3. In awarding honors in any group of studies amount of work as well as rank shall be considered, and in deciding between candidates preference shall be given to the one having the largest number of courses, unless the rank of one having a smaller number is higher than that of the others in any equal number of courses.

4. A student whose rank qualifies him for an honor in more than one group of studies may receive appropriate recognition of that distinction.

ADMINISTRATION

REGISTRATION

The committee on registration is in session on the first day of each term and all students are required to register at that time unless previously excused. Students failing to comply with the above requirement are charged one dollar for subsequent registration and this sum will be collected with their term bills.

ABSENCE FROM RECITATIONS

No excuse for absence from recitations or other class exercises will be granted on the ground of social, literary or athletic engagements.

No student will be excused from regular work to prepare for or to take an examination. Any examination taken under such conditions shall be regarded as a failure.

Students that have been absent one week or more from any course are required to take at least one written lesson for each four weeks of absence or fraction thereof.

EXCUSES

The excuse officer for young men is the President, or, in his absence, the Acting President; for young women, the Dean. These officers will have regular office hours and may be found at their offices every day on which recitations are held. Whenever possible, excuses should be obtained before the absences occur. Claims for excuses must be presented within two days after students return.

The Registrar will keep at her office a complete record of all absences and of all excuses granted.

Excuses for tardiness must be presented to the instructor at the hour at which the tardiness occurs. Otherwise such tardiness will be treated as an unexcused absence.

EXAMINATIONS

Written examinations are given at the close of each semester and at such other times as the instructors may determine.

RANK BILLS

These are sent to the parent or guardian of each student at the close of each semester. A student's work in a course is reported according to the following grades: A, B, C, D and F. A signifies a rank from 90 to 100; B, from 80 to 90; C, from 70 to 80; D, from 60 to 70; F, failure.

STUDENT ADVISERS

Near the beginning of the College year the young men of each class are divided into groups; and for each group some teacher acts as a special adviser. The attempt is made to assure to each student a true friend from whom in any perplexity or emergency he may freely ask counsel and aid. It is one of the cherished aims of the College to foster intimate and mutually helpful relations between teachers and students. At a stated time and place once a month each student reports his church attendance to his adviser.

HEALTH OF STUDENTS

The health of students is an object of constant care. Physical examinations are given each year, and suitable exercise is prescribed for each student. Lewiston has two of the best hospitals in New England, and these are always open at special, reasonable rates to students requiring the services of skilful physicians or surgeons.

YEARLY EXPENSES FOR YOUNG MEN

Tuition,	$90.00	$90.00
Room with Board,	200.00	230.00
Lights, laundry, books, etc.,	15.00	30.00
	$305.00	$350.00

Each Freshman pays a fee of one dollar for his medical examination, chart and handbook.

Students are advised in regard to selecting their rooms. Rooms for young men, except in John Bertram Hall, are unfurnished. Each man, on engaging a room in a College building, deposits a fee of five dollars with the Assistant Treasurer. This sum is credited to him as part payment of his rent for the first semester. Students are held responsible for the rent of the rooms selected, unless otherwise satisfactory arrangements are made with the Assistant Treasurer. Students, except those living at home, are expected to board at the College Commons. No permission to board elsewhere will be given except under definite arrangements with the Committee on the Commons. Board at the Commons is $5.25 per week. Board must be paid in advance at intervals of two weeks, and those who fail to meet this requirement will promptly be deprived of attendance at the Commons tables.

YEARLY EXPENSES FOR YOUNG WOMEN

Tuition,	$90.00	$90.00
Room with Board,	207.00	230.00
Textbooks, class dues, etc.,	20.00	30.00
	$317.00	$350.00

Residence on the campus is required of all young women students not living with their families, except as special permission to live elsewhere may be granted to those partially self-supporting. Most of the rooms accommodate two students. All the rooms are heated, lighted, and equipped with the heavy furniture.

A limited number of young women may secure room with board in the Cheney House dining room for $170.00 and service amounting to not more than an hour daily. Students wholly dependent upon their own efforts are advised to accumulate some reserve funds before entering College.

To retain a room for the ensuing year, a deposit of $5.00 must be made on or before June 1st. This amount will be refunded to students prevented from entering, if application for its return is made before September 1st.

No reduction can be made for temporary absence. For withdrawals in case of illness the loss will be shared by the College, for one-half the current semester.

Correspondence regarding living arrangements should be addressed to the Dean of Women. Checks should be made payable to "Rand Hall Account."

LABORATORY FEES

All students taking laboratory courses in Chemistry, Physics, Biology, and Geology, are charged an additional fee varying from two to five dollars each semester, according to payable to "Rand Hall Account."

BILLS

A deposit of twenty-five dollars with the Assistant Treasurer is required from each student on the first day of each semester. Modifications of this rule may be made with the President for students having scholarships or deferred tuition. Bills for the first semester must be paid in full to the Assistant Treasurer by November 15, and for the second semester by March 15. Students who are unable to pay their bills on or before the above dates must present to the Assistant Treasurer their requests for extension of time for payment before the date on which the bills are due. The Assistant Treasurer has authority to extend the time for payment for a period not exceeding two months. In exceptional cases, the payment of not more than one-half of the

current bill may be postponed till the opening of the following semester. No extension can be granted to Seniors on the bills for the second semester. Students having leave of absence from College on the above dates are required to settle their College bills within five days after their return. Students that fail to comply with the above requirements will be subject to an additional charge of one dollar for each week, or fraction thereof, elapsing after the regular dates of settlement.

Copies of semester bills are mailed at the close of each semester to the parents or guardians of all students whose bills remain unpaid.

Students will not be dismissed from College on request until they have paid all their College bills, including those of the current semester.

Students and graduates for whom tuition has been deferred will not be recommended or certified to graduate or professional schools until they have paid all tuition in arrears.

BUILDINGS AND EQUIPMENT

The College has eighteen buildings. These are kept in good repair and in the best sanitary condition. They are all heated by steam and lighted by electricity.

CHAPEL

What was long the most urgent need of the College, a suitable place for daily worship by Faculty and students, is at length fully met. Through the wonderful generosity of a devout Christian woman the sum of $60,000 was in January, 1912, placed in the hands of the Treasurer of the College to ensure the erection of a worthy Chapel and the installment of an appropriate organ. To this amount $5,000 was subsequently added. The building is 125 feet in length and 55 feet in breadth. It affords seats for 900 persons, 800 upon the floor and 100 in the gallery. On exceptional occasions, such as Commencement, the seating capacity can be increased by utilizing the spacious chancel to more than one thousand. There are two rooms connecting directly with the chancel—one on either side. One of these rooms is for the choir; the other for those officiating in the religious services. The organ, built by Hook and Hastings of Boston, is an instrument worthy of the Chapel and its sacred uses. The Chapel is of granite and is of Gothic design, after the English collegiate style. The audience room is open to the roof, thus disclosing its supporting timbers. There are four towers, two at each end in conformity to the general style of the architecture. The corner stone was laid with appropriate exercises on November 6, 1912. The chapel was dedicated on January 7, 1914.

HATHORN HALL

Hathorn Hall, a beautiful and substantial building of three stories, contains an Assembly Room, ten lecture rooms, and a large study and a cloak room for women students.

Through the generosity of successive classes, nearly all the rooms in this building have been finished and furnished with excellent taste. This Hall takes its name from Seth and Mary Hathorn, of Woolwich, Me., who in the early history of the institution contributed generously toward its erection.

HEDGE LABORATORY

The building of the department of Chemistry is called Hedge Laboratory, in honor of the late Isaiah H. Hedge, M.D., of Waukon, Iowa, who furnished the means for its erection. It is a two-story building finely located and of attractive modern style. Important improvements in this building have recently been made by which its capacity has been increased considerably and the general conveniences much improved. On the first floor of the laboratory are the chemical lecture room, with rooms adjoining for chemicals and apparatus, and a class laboratory room fitted up with tables and sinks sufficient to accommodate thirty-two students. The large laboratory room for qualitative analysis occupies the most of the second floor. It is well lighted, thoroughly ventilated, and conveniently fitted with sinks, hoods, and tables. Adjoining this room are the weighing and apparatus rooms and the private laboratory of the head of the department. The basement is used for stock and laboratory rooms. Excellent accommodation has thus been provided for one hundred seventy students.

The arrangement and appliances of the whole building are in accordance with the most approved plans of modern laboratories.

The enrollment in this department is so large, however, as to render imperative the doubling of the capacity of the Laboratory at the earliest practicable date.

CARNEGIE SCIENCE HALL

In January, 1908, Mr. Andrew Carnegie made a subscription of $50,000 for the erection of a new science building. The conditions of the gift having been met, the corner

stone was laid during Commencement week of 1911. The building was opened for occupancy in September, 1912, and was dedicated January 14, 1913.

Three departments of the College are provided with commodious and convenient accommodations in Carnegie Science Hall.

The most used rooms of the Biological Department are located on the first floor. The lecture and recitation room has a raised floor so that the seats at the rear of the room are two feet above those in the front row. At present the equipment includes: fifty-five iron-framed tablet arm chairs; a lecture and demonstration desk furnished with a sink, aquaria, gas and electric connections, cupboards and drawers.

Adjoining the recitation room is the department library, known as the Ira H. Bickford Biological Library of Bates College. This library was established by Mr. Bickford in June, 1911. The room is furnished with reference table, chairs, a librarian's desk, book shelving, and card catalogues. Special mention should be made of a valuable collection of ornithological works presented to the Library by Prof. J. Y. Stanton.

Opening out of the library, in the east corner of the building, is the office and private laboratory of the head of the department.

The laboratory for histology and general microscopy opens out of the main corridor and occupies the northwest corner of the first floor. This room is unusually well equipped with windows, and electric fixtures for artificial illumination. The furnishings and technical apparatus for this laboratory are extensive, modern, and selected with care as to their special purposes.

Also opening out of the main corridor, and occupying the entire southwest end of this first story, is the large general laboratory for the courses in vertebrate and invertebrate zoology. Like other laboratories of the building, this has associated with it a supply room.

The entire northeastern half of the third floor has been set aside for a Biological Museum. This Museum is espe-

cially fortunate in its extensive and valuable collection of ornithological specimens. In addition to the regular teaching collection, which includes representatives of nearly all the New England species, besides many from other parts of the United States, and from foreign countries, Prof. J. Y. Stanton presented his entire private collection of mounted birds and skins. This collection includes several specimens of extinct forms and many rare species.

The entire fourth floor is used as a vivarium. It is divided into rooms as follows: a large animal room, a supply room, and a room for the experimental breeding of animals and plants.

In the basement, the Biological Department has the following accommodations: a taxidermy and tool room; a supply room; and a dark room.

The second floor of the building is allotted to the Department of Physics. The lecture room is fitted with seats for fifty-five students, a stereopticon stand, a lecture table equipped with gas, water, and electricity—both alternating and direct current. The room is ventilated by the electric fan.

Adjoining the lecture room is a commodious apparatus room fitted with a large counter and wall shelves. The cabinet is well supplied with apparatus for lecture table and laboratory experiments.

Adjoining the apparatus room is a large laboratory equipped with water, gas, and electricity for advanced work in Physics. This room is fitted especially for electrical work. Connected with this laboratory is a photographic dark room and a private laboratory and office for the head of the department.

At the other end of the building is a large laboratory for the elementary work in Physics, fitted with tables and wall shelves, supplied with gas and electricity for experimental work.

In the basement of the building is a dynamo room containing the main switch-board that serves both as a main feeder for the building and as an experimental board. A small shop

adjoins the dynamo room, equipped with an assortment of tools for repairing apparatus.

A large Physiological laboratory in the basement is for the present used as a drafting room and contains stands for about forty-five students. This room is fitted with wall cabinets having numerous drawers and cupboards.

The recitation room for the Physiological department is upon the third floor. In location, size and equipment this room is similar to the recitation room on the first floor.

The rear entrance to the building opens directly into a receiving and unpacking room. There are three lavatory rooms, one in the basement, another on the first floor, and a third on the second floor. A large general supply room and a sterilizing room are also located in the basement. An efficient ventilating system is connected with all basement rooms and with the three recitation rooms.

CORAM LIBRARY

Coram Library, dedicated in 1902 and named for Mr. Joseph A. Coram, of Lowell, Mass., who contributed twenty thousand dollars towards its erection, is one of the most beautiful and best planned buildings of its kind. Its reading, reference, seminar, and stack rooms are models of taste and convenience. The furnishings throughout are of the most approved designs for modern libraries.

The library is classified according to the Dewey system; there is a dictionary card catalogue; access to the shelves is entirely unrestricted. Attention is given to helping the students in using the catalogue, reference books and special bibliographies.

The number of volumes in the library is 46,356.

Through the generosity of Mr. Walter I. Woodman of Newton, Mass., 2,725 choice volumes from the library of the late Professor Jonathan Y. Stanton are among the most recent accessions.

The College library has been selected with special reference to the needs of the several departments. It is com-

posed mainly of modern publications, and contains many important works of reference.

Special funds from which income for the purchase of books is derived are the following:—

The Benjamin E. Bates Library Fund, founded in 1906, by a gift of $10,000 from Mr. Clement S. Houghton of Boston. This fund was given in memory of Benjamin E. Bates, the son of the Benjamin E. Bates whose name the College bears, and himself for twelve years a devoted and efficient member of the Board of Fellows of the Institution. The income of this fund is expended in the purchase of works upon History, Economics, Sociology and Mathematics—subjects in which Mr. Bates was much interested.

The Stephen and Mary Stickney Library Fund was established in 1909 by a legacy of $7,000 from Mrs. Mary M. S. Spaulding in honor of her parents.

The French library of the late Isaac L. Rice, LL.D., numbering 1800 volumes and thought to be the most valuable private collection of its kind in America, has been presented recently to the College by the family of Dr. Rice and has been placed in the Art Room of the Library. This room is designated as the Isaac L. Rice Room.

Considering the expense involved in purchasing books most necessary to keep the library abreast of the times, the generous aid of friends of the College is invited to the establishment of new funds.

The library is open during term time (on week days) from 9.00 A.M. to 12.10 P.M., 1.00 to 5.30 P.M., and except Saturday from 7.30 P.M. to 9.30 P.M.

LIBBEY FORUM

Through the generosity of the late Honorable W. Scott Libbey, the Literary Societies and the Christian Associations of the College have been provided with large, beautiful and convenient rooms—one for each of the three Societies and a fourth for the Y. M. C. A. and Y. W. C. A. Libbey Forum has been erected to stand, and is probably the most solid and substantial structure in Lewiston. It is complete in all of

its appointments. Its spacious corridors, its convenient cloak and toilet rooms, its arrangements for heat and light, and its furnishings, are all in complete harmony with the general design; and the result is an ideal home for the Societies that have long been one of the most unique and attractive features of Bates. It was dedicated on October 1st, 1909, and is now regularly occupied by the organizations for the benefit of which it was erected. The building occupies the large lot on the northern side of Mountain Avenue at its junction with College Street. The completion of this hall made available for important uses of the College the rooms that have been occupied for society purposes in Hathorn Hall and Parker Hall.

CHENEY HOUSE

Cheney House, a spacious and attractive two-story building originally erected for the President's residence, has since 1895 served as a dormitory for women students.

PARKER HALL

Parker Hall affords accommodations for about one hundred young men. It has recently been renovated and modernized. The floors throughout are of hard wood. The rooms are arranged in suites, each consisting of a study and a bedroom. A commodious and tastefully furnished reception room, ample shower baths and other sanitary arrangements, and convenient and tasteful student apartments, render this hall one of the most homelike and satisfactory college dormitories in New England. The baseball cage in the basement affords uninterrupted opportunities for practice in the winter and in stormy weather. Parker Hall bears the name of the late Judge Parker of Farmington, one of the chief contributors for this, the second building erected upon the Campus. The immediate supervision and care of this building are entrusted to the Parker Hall Association, made up of the student occupants.

ROGER WILLIAMS HALL

Roger Williams Hall is an attractive and commodious three story brick building erected by the late Lewis W. Anthony, Esq., of Providence, R. I. This hall, formerly devoted to the needs of Cobb Divinity School, is now used for College purposes. The first floor is occupied by one large lecture room, the offices of the President, the Assistant Treasurer, and the Registrar, a reception room and a reading room. The other floors are used for dormitory purposes. The student suites in this building are unusually tasteful and convenient. They accommodate between forty and fifty young men. The building is under the supervision of the Roger Williams Hall Association.

A fund of $5,000 has been given by Dr. Alfred W. Anthony and Miss Kate J. Anthony for the permanent upkeep of this building.

JOHN BERTRAM HALL

John Bertram Hall is the large three-story brick building that for thirteen years was used by the departments of Biology and Physics. The completion in 1912 of Carnegie Hall left it available for dormitory purposes and it was then thoroughly renovated and in large part reconstructed. Its spacious, convenient and attractive suites of rooms afford ample accommodations for from forty to fifty students. Most of these suites are occupied by young men of the Freshman class, thus meeting an urgent need. Heated by steam, lighted by electricity, provided with shower baths and the most approved plumbing arrangements, it is one of our most satisfactory dormitories. On the first floor is a tasteful reception room with a piano and other appropriate furniture. On the wall opposite the entrance hangs a picture of John Bertram—a man whose character and career exemplify the best in Christian manhood. In the basement are the kitchen and store rooms and a convenient, spacious and well appointed dining room that serves as a "Commons" for more than two hundred young men. Through the generosity of a friend

of Bates all the suites for students have been suitably furnished. The gift in January, 1913, by Mrs. David P. Kimball of Boston, of $10,000 in memory of her father, Captain John Bertram of Salem, Mass., brought to the young men of the College facilities long needed and highly prized.

RAND HALL

Rand Hall, completed in 1905 for the women of the College, is a beautiful three-story building one hundred and twenty feet in length by forty-three in breadth.

By action of the Trustees at their annual meeting in June, 1908, this building was named Rand Hall in memory of Professor John Holmes Rand and his untiring efforts to assure a true college home to the women of Bates. It contains a large, well-equipped gymnasium, Fiske reception room for student social gatherings, rooms for the Dean and for the Instructor in Household Economy, and for sixty young women, together with laundries, kitchens, dining-room, and all the appointments of a first-class women's hall.

MILLIKEN HOUSE AND WHITTIER HOUSE

The Milliken House and the Whittier House, through the generous consideration of Hon. C. A. Milliken, are now the property of the College. With Cheney House, Rand Hall, and Frye Street House, they afford ample accommodations for the young women of the College.

FRYE STREET HOUSE

Frye Street House, until recently the private residence of Mr. E. A. Whittier, has been purchased to provide for the 25 young women for whose accommodation it had been found necessary to make provision. It is a beautiful, convenient building with all the modern conveniences and admirably adapted to its purpose.

CHASE HALL

Chase Hall, the men's social building, dedicated in the fall of 1919, is one of the finest buildings in the country. In many respects it is the latest word in this type of building. The architects were very happy in not only securing a useful structure but also one that is artistic in every respect. It is made of dark brick, with many gables, so that the view of it from a distance gives a very pleasng effect. The upper floor, with its tinted walls, dark brown finish,—the main floor with the plain dark brick set in black mortar, with a very dark wood finish, and brick and cement walls of the lower floor or social room, give not only an impression of permanence but also of beauty.

Contained within the edifice are very ample social facilities for all the men of the institution; bowling alleys, pocket billiards, billiards, and small games. In addition there is a finely appointed reading room, a writing room, a large lounging or club room with victrola, piano, music, books and magazines. There are offices for the Athletic Association, Alumni interests, the Y. M. C. A., gathering places for the men's societies, halls for small lectures and meetings, a room for committee meetings and conferences, a ladies' reception room, a kitchen, and full equipment for stereopticon and moving picture work. Here also is to be found the finely appointed college store, which serves the entire campus, and the post office for the men. Nine finely furnished rooms give splendid accommodations for returning alumni, visiting school boys and friends of the institution.

Chase Hall, so named in honor of the late President, George Colby Chase, stands not only as a mark of the generosity of warm-hearted friends of the college, but also as a substantial tribute to the memory and life of one who for more than fifty years gave himself in unremitting, self-denying service to the institution.

PRESIDENT'S HOUSE

The private residence of the late J. Frank Boothby has been purchased by the College and will be used as the President's House.

CENTRAL HEATING PLANT

The people of Maine by the unanimous action of their Legislature during the session of 1908 generously recognized the service rendered by Bates College to educational work in their State by the appropriation of $45,000 for the construction of a Central Heating Plant for the Institution. This plant was completed under the supervision of competent engineers. It materially lessens the cost of heating the College buildings and promotes at once the health, the comfort, and the convenience of their occupants. In its construction, provision has been made for extending its advantages to buildings hereafter to be erected.

GYMNASIUMS

The Men's Gymnasium, a two-story wooden structure with basement, has been a very useful building; but it should give place as soon as practicable to a more capacious and substantial structure of modern design. A new gymnasium adequate for our needs would cost $100,000.00.

Subscriptions for this building are earnestly solicited. The immediate erection of a gymnasium for our young men might well engage the interest of some large-hearted, wealthy man or woman.

The Gymnasium is steam heated and equipped with the apparatus necessary for the thorough and systematic training and development of the human body. This apparatus is new and of the most approved modern pattern. In the basement of the Gymnasium are two excellent bowling alleys; also convenient bathrooms, provided with lockers, hot and cold water, dip baths, shower baths, etc.

The gymnasium for women in Rand Hall is well equipped for class drill and apparatus work and provides for indoor

recreation such as basketball, volley ball, indoor baseball, etc. The room adjoining the gymnasium is suitably fitted with shower baths and lockers.

The athletic grounds for women provide for field hockey, basketball, baseball, tennis, etc.

ATHLETIC FIELD

The Garcelon Athletic Field, named in honor of the late Alonzo Garcelon, M.D., of the original governing board of the College, is considered one of the best in New England. It has a tasteful and commodious grand stand, sufficient for all present needs. The field, surrounded by a fence, has an area of seven acres. It contains a quarter-mile track, a two hundred and twenty yard straight-away, take-offs for the jumps and pole vault, a football field, and a baseball diamond.

OUTDOOR RUNNING TRACK

The wooden track is rectangular in shape with a straight-away course of 74 yards. The width of the straight-away is ten feet. The rectangle is five feet in width with a course of twelve laps to the mile. The track is located near the Gymnasium. It is of modern arrangement, and, undoubtedly, the best in the State of Maine.

TENNIS COURTS

Ten fine tennis courts offer abundant opportunity for this healthful game.

STUDENT LIFE

SOCIETIES AND ORGANIZATIONS

Bates has no secret societies. But the various interests of a wholesome student life are sustained and promoted by means of appropriate organizations—both for the young men and for the young women.

The three older Literary Societies,—the Eurosophian, the Polymnian, and the Piærian—are carried on by the young men. Eurosophia is devoting most of its time to debating, declamation and composition; Polymnia to problems of Military Science and History; and Piæria to extempore speaking.

Four societies for debating and parliamentary practice, for the cultivation of literary and musical tastes and for practice in composition, for the promotion of interest in fine arts, for the discussion of current events and for fostering a helpful social life are maintained by the young women.

The Spofford Literary Club, composed of both young men and young women, by its name and purpose constitutes a choice tribute to the memory of the lamented Professor Spofford.

The Jordan Scientific Society, recently organized, takes its name in honor of Dr. L. G. Jordan, Head of the Department of Chemistry. Its members are young men who find themselves eagerly interested in Science.

The Politics Club, organized in 1912, is composed of young men from the Junior and Senior Classes who are interested in the science of politics and government. The programs of the meetings are in charge either of the regular members, or of invited guests who address the Club on appropriate subjects. The Club is a member of the Inter-Collegiate Civic League.

The Phil-Hellenic Club is a new society for students interested in Greek literature, life, and customs. Its purpose is a more thorough and personal appreciation of these matters than is afforded by curriculum courses. The club

meets monthly, and very interesting and instructive articles have been contributed on such subjects as "Athenian Life," "Religious Views of Æschylus," and "Recent Discoveries in Crete."

Le Cercle Francaise serves a like purpose for students of French. Meetings are held once a week, and are conducted entirely in the French language and according to praliamentary rule. Papers relating to science, business, athletics and social life have been read at various times, always followed by a general discussion. All meetings are closed by the singing of the national anthem of France, "La Marseillaise."

The Macfarlane Club is composed of members of the student body that show marked ability in music. It is named for Will C. Macfarlane, Mus.D., municipal organist of Portland, Maine.

The Ramsdell Scientific Society, named in honor of Professor G. E. Ramsdell, is composed of young women who are specially interested in Science.

The Bates Forum limits its membership to young men and young women who have given evidence of unusual ability in debating.

The Athletic Association is an organization of the men of the College for the promotion of physical training and of athletic sports.

The Women's Athletic Association is an organization of the women of the College for kindred purposes.

The young men maintain an orchestra, a Glee Club, and a Mandolin Club; and the young women, a Glee Club and a Mandolin Club.

The large College Choir, composed of both young men and young women, receives regular, careful training from the College Chorister.

No student organization of the College may incur any financial obligation, or make any contract involving monetary consideration, without first obtaining the sanction of the President of the College, or of the proper Faculty committee under whose supervision the organization is placed. In the event of the contemplated formation of any such new

organization, the President of the College must first be consulted; and, if permission be granted to effect such organization, he will advise the student representatives of the particular Faculty committee under whose supervision the organization is placed.

A Bates Chapter of Delta Sigma Rho was instituted on the twenty-first day of June, 1915. All men participating in intercollegiate forensics are eligible for membership in this organization.

At the meeting of the Council of the United Chapters of Phi Beta Kappa held in September, 1916, a charter was granted to Bates, and the Phi Beta Kappa, Gamma Chapter of Maine, was installed May 29, 1917.

RELIGIOUS LIFE

At 8.45 A.M., six days in the week, all the students, with the Faculty, assemble in the Chapel for reading of Scripture, prayer, and singing. A committee composed of members of the Faculty are active in promoting the religious life of the College. The women students have vesper services in Fiske Hall Sunday evenings. Occasional vesper services, open to the public, are held in the College Chapel.

The last Thursday in January is observed as the Day of Prayer for Colleges and is set apart entirely for religious meetings. A sermon to which the public are invited is preached in the Chapel at 10 A.M. Christian friends of the College are asked to remember this day. The Elizabeth Garcelon Messer Fund assures the presence of an eminent and earnest speaker.

The two Student Christian Associations—Young Men's and Young Women's—are active and flourishing. They hold weekly meetings on Wednesday evenings: the Young Men's Association in Chase Hall, at 6.00, and the Young Women's Association in the Fiske Room, Rand Hall, at 6.45. Besides student leaders—members of the faculty, pastors, visiting lecturers, and secretaries often speak at meetings arranged by the Associations. The weekly meeting, how-

ever, is but one of the many helpful activities of these Associations in the life of the College.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The College employs a resident, graduate, Young Men's Christian Association Secretary, and he and the leaders of the organization are in close touch with the leaders and secretaries of the International and World's Student Movement.

The Department of Administration looks after the business affairs of the Association, keeps proper records, secures reports, furnishes publicity, and assists in maintaining an office in Chase Hall, where daily office hours are kept.

The Religious Education Department plans for and conducts the weekly meetings, manages special campaigns in sex education, evangelism, and missions, and promotes the devotional life of the men of the College.

It also maintains classes in voluntary Bible study which are conducted in the first semester under faculty and student leadership; the emphasis in the second semester is placed on the study of missions, North American and world problems. Special committees present the latest opportunities for service in mission and temperance activities.

The Campus Service division of the social work of the Association includes the issuing of the annual college handbook, the extension of courtesy and hospitality to new students, tutoring, the presentation of wholesome and enjoyable entertainments, the selling of second-hand text-books, visitation of the sick, and the securing of employment.

The Community Service Department teaches English, civics, etc., to foreign workmen; sends deputations to churches, communities, preparatory schools, and other institutions; furnishes teachers for Sunday Schools and leaders for boys' clubs; co-operates with local pastors in interesting students in the work of the churches; assists in allying graduates with definite Christian service in the communities to which they go.

An Advisory Board, composed of representative members of the College Faculty, Alumni, student body and local busi-

ness men, exercises a relation of oversight and counsel to all the Association activities.

The Administration Committee of Chase Hall has delegated to the Y. M. C. A. the direction of the social and recreational pastimes of the building. There is under its direction two bowling alleys, one billiard and five pocket billiard tables, small games, music, reading, and writing rooms, moving pictures, and all the other recreational features.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The work of the Young Women's Christian Association is much like that of the Men's. It is officered by the young women, who in consultation with an advisory board, and under the direction of a visiting Secretary and other officers of the National Board, engage in various activities. Membership and Social Committees co-operate in welcoming the new students, correspond with them during the summer, share in the distribution of handbooks, meet them at the trains, give an afternoon reception on Mt. David the day College opens, unite with the Y. M. C. A. in a reception on the first Friday evening, and later a Hallowe'en party, and provide other informal social gatherings for the young women during the year.

The Bible Study and Missionary Committees arrange for classes during the first and second semesters respectively. The Missionary Committee also secures co-operation in the support of the worker kept in the foreign field by a group of Associations, and corresponds with various Alumnæ in the work. It supervises the observance of the week of prayer.

The Social Committee visits the Old Ladies' Home, the Children's Home, provides teachers for Sunday School classes, secures gifts for Christmas time for poor children in the city, directs the work of the Eight Weeks' Club in College, distributes flowers to the sick, aids students needing help along various lines. It co-operates with the city Christian Association in teaching classes.

The Association News Committee supplies posters and periodicals on the work of the Association and other Associations. The Town Committee is concerned with interests of the girls not residing on the Campus. A group of girls attend the Silver Bay Conference each year.

GENERAL INFORMATION

COLLEGE PUBLICATIONS

The *Bates Student* is published weekly (with monthly magazine number), under the direction of Editors and Managers selected from the Junior Class. The first number was issued in January, 1873.

The *Bates Bulletin*, published every three months, gives full information respecting the progress of the College. It will be sent to any address, upon application to the Registrar, for fifty cents a year.

GEORGE COLBY CHASE LECTURE FUND

On Commencement Day, June 28, 1906, one of the Trustees of the College announced the creation of a fund of $5,000 for the establishment of the George Colby Chase Lecture Fund for the maintenance of a permanent course of lectures to be known as the George Colby Chase Lecture Course. The College is indebted for this lecture fund to the late Honorable William Wallace Stetson, a former State Superintendent of the Public Schools of Maine. The purpose of the donor is definitely stated in the following citation from a prescribed trust agreement since executed: "Fourth, That the income of said fund shall be used exclusively for the maintenance of Lecture Courses in said College, and that no part of said income shall be used for any other purpose. Fifth, That speakers shall be selected who have done something worthy of special commendation, who have a message, and who can deliver it in such a manner as will be helpful to College students."

The far-reaching significance and substantial value of this lecture course for Bates students, thus made coeval with the life of the institution, can be better appreciated a century hence than now. This trust faithfully administered will break the isolation too often existing between the college and the world, and assure to every Bates man and Bates

woman the quickening influences of great leaders in thought and achievement. Some of the lectures thus far given under the provisions of this fund have been by Rev. Lyman Abbott, D.D., Rev. Hugh Black, D.D., Mr. George W. Cable, Professor R. W. Wood of Johns Hopkins University, Rev. Charles F. Aked, D.D., Henry S. Pritchett, President of the Carnegie Foundation for the Advancement of Teaching, Hamilton Holt, Managing Editor of the *Independent*, Edward A. Steiner, D.D., of Grinnell College, Booker T. Washington, William T. Ellis, John Nolen, Edgar M. Banks, Ph.D., Seumas MacManus, Alfred Noyes, S. S. McClure, Professor Albert B. Hart, Robert Frost, and Henry van Dyke.

UNIVERSITY EXTENSION

Members of the Faculty are prepared to give lectures upon subjects in Science, Literature, Philosophy, History, Economics, Education, Sociology, and Art. Particulars can be learned by correspondence with the President, or the Secretary of the Faculty.

RESOURCES

Within a few years the resources of the College have been more than trebled. This has been due in large measure to the generosity of Mr. Andrew Carnegie and of Mr. Bartlett Doe, late of San Francisco, each of whom gave $50,000 toward increasing the endowment; $60,000, also, were given by Alumni and other friends of Bates in response to a condition imposed by Mr. Carnegie. Nearly $60,000 more were added to the permanent fund by meeting the conditions of Mr. Carnegie's subscription for the science building, and by other gifts. In January, 1913, Honorable D. D. Stewart, of St. Albans, presented $50,000 in memory of his brother, the late Levi M. Stewart, Esq., of Minneapolis, Minn. In 1918 there became available from the B. C. Jordan Forestry Foundation $126,666. The total invested funds of the College at the present time amount to about $1,107,000; and its total resources, including grounds, buildings, library, and apparatus, have a value of fully $1,500,000.

Bequests to the amount of $35,000, including that of Mr. Frank Gutmann of Lewiston, lately deceased, will soon be available.

THE PUBLIC SERVICE OF BATES

To all who can prize her contributions to the intellectual and moral forces that must save our country, Bates can unhesitatingly appeal. Of her graduates about 43 per cent have become teachers, and nearly 11 per cent ministers, the latter being distributed among ten religious denominations. Within recent years Bates has made important contributions to the foreign mission field. Ninety graduates have filled positions in Universities and Colleges, and more than this number have won distinction as State, City, and District Superintendents and as Principals of Important Secondary Schools. Among the Higher Institutions to which Bates has contributed teachers are Albion, Amherst, Armour Institute, Bates, Bishop, Brown University, Carleton, Colgate University, Columbia University, Connecticut Agricultural, Cooper Institute, Cornell University, Dartmouth, Delaware, Denison University, Doane, Drury, Fairmount, Grant University, Grinnell, Harvard University, Haverford, Hillsdale, Howard University, James Millikin University, Johns Hopkins University, Keuka, Knox, Lake Forest, Massachusetts Agricultural, Miami, Middlebury, Massachusetts Institute of Technology, Mt. Holyoke, Northwestern University, Norwich University, Oahu (Hawaii), Pennsylvania State, Princeton University, Pomona, Purdue University, Redfields, Reed, Shaw University, Stevens Institute of Technology, Syracuse University, Tufts, University of California, University of Colorado, University of Illinois, University of Iowa, University of Maine, University of Montana, University of Oregon, University of Utah, University of Washington, Washington State College, University of Wisconsin, Western Reserve University, William Jewell, Williams, Worcester Polytechnic Institute, Yale University, Yankton. In Authorship, on the Bench, in Legislation, in Journalism, Law, Medicine, and Engineering, Bates has distinguished representatives;

while nearly the entire body of her Alumni have proved themselves pure, earnest, useful citizens, ready for every good word and work, and making happier and better the communities in which they have lived. The thorough preparation that Bates gives for public speaking is shown by the honors won in the last thirteen years in thirty-two out of forty-two inter-collegiate debates—seventeen of these with Universities. More than six hundred graduates and undergraduates have been in the service of their country on land or sea. Among them are a Major General and Chaplains, Majors, Judge Advocates, Captains, Lieutenants, Ensigns, Sergeants, and men not less patriotic in the ranks.

BATES AND THE CARNEGIE FOUNDATION

The high standards of scholarship maintained at Bates and the breadth and liberality of her administrative policy are indicated by the fact that she was admitted to the benefits of The Carnegie Foundation for the Advancement of Teaching in June, 1907. She has been characterized from the beginning of her history at once by her insistence upon Christian standards of character and conduct and by her freedom from sectarianism. Her original charter contained no denominational or creedal conditions; and the slight change from the breadth of management that had been made in 1893 was, by the unanimous vote of her Trustees, removed in 1906. Her application of Christianity to life finds expression in her supreme endeavor to educate her students for good citizenship and for self-denying service to mankind.

REASONS FOR AIDING BATES

1. To a large number of young men and young women she offers their sole reasonable hope for obtaining a liberal education. Both the necessary and the incidental expenses are lower than at any other New England College.

2. In the number and quality of her graduate educators, Bates is not surpassed, and, perhaps, not equalled, by any other College in America.

3. She has been successful in securing character as well as scholarship.

4. She is unsectarian.

5. Her location is the best possible for her usefulness. She gathers from a constituency widening every year young men and young women of small means but of great promise, some of them traveling hundreds of miles to secure from her the New England culture of heart and mind, that they may use it for the good of our entire country.

6. She took up the cause of higher education for women when it was unpopular.

7. Every dollar given to her work strengthens the forces that are shaping our Christian civilization.

8. She has but $1,107,000 for carrying on work for which most New England Colleges require more than twice that amount.

SUMMARY OF NEEDS

1. $1,000,000 as an immediate addition to the permanent fund in order to ensure the efficient maintenance of the present work, the development of existing departments, the endowment of a chair of Economics, and the increase of the salaries of teachers to a living basis. This need is painfully intensified by the startling increase in the cost of living expenses and of the general upkeep of the College. The deficit for the financial year ending May 31, 1920, will be $25,000, unless averted by contributions. This is in large measure due to conditions created by the world war and especially to the withdrawal of students to engage in patriotic service.

$20,000 for doubling the capacity of the present Chemical Laboratory.

3. $5,000 to pay for the furnishing of Coram Library and to secure additional appliances.

4. $50,000 as a permanent fund for the Library.

5. $150,000 for additional Scholarships for deserving students.

6. $100,000 for the erection of a new Gymnasium for the men students.

7. $100,000 for the erection and maintenance of an Astronomical Observatory and the support of its Director.

8. $10,000 for the grading and improvement of the Campus.

9. $30,000 for a student loan fund.

The total of the amounts named is about $1,500,000. We can do a valuable work while waiting for some of these needs to be met; others of them are urgent; all of them are implied in the plan of the institution; and could they be met at once, the result would justify the outlay. The enlargement of the Chemical Laboratory, the erection of a Gymnasium for the young men, the grading and improvement of the Campus, can be delayed only with serious loss to the College.

GIFTS

All departments of Bates College are under the care of the same Board of Trustees, and all gifts and bequests should be made to "The President and Trustees of Bates College." When bequests are designated for the use of a particular department, or for any other special purpose, they are limited to such purposes. But the experience of colleges shows that it is desirable to have the specific use of the income and endowments left as far as possible to be determined by the Trustees as the needs of the growing work may demand. The work of Bates College has greatly outgrown the present equipment, and there is pressing need of additional endowments, scholarships, and buildings.

FORM OF BEQUEST

I give and bequeath to The President and Trustees of Bates College, a corporation existing in Lewiston, Maine, the sum of.....Dollars, for an endowment fund, to be called.....Fund (or Professorship, or Scholarship).

FORM OF ANNUITY BOND

Whereas, The sum of.....Dollars has been given to The President and Trustees of Bates College, Lewis-

ton, Maine, by .....of..... upon condition that, in consideration of said gift, an annuity of .....Dollars be paid to the said .....during.....life;

Therefore, The President and Trustees of Bates College hereby agree to pay the said sum of.....Dollars to the order of said.....at the Treasurer's Office of said College, during the natural life of said .....commencing January first, Nineteen Hundred.....

In witness whereof The President and Trustees of Bates College have hereunto affixed their Corporate Seal and caused this bond to be signed by their President and Treasurer at Lewiston, Maine, this.....day of.....191...

SCHOLARSHIPS

To be eligible for Scholarships, students must maintain an average rank in their College studies of 85 per cent. To be eligible for any other form of Student Aid, applicants must maintain an average rank in their College studies of 70 per cent., if Freshmen, and of 75 per cent., if Sophomores, Juniors, or Seniors. Applicants for Student Aid of any kind must be of good character, must totally abstain from the use of intoxicants and of tobacco, must be economical in all their expeditures and obedient to all College laws and regulations, and must furnish annually a correct statement of income and expenses.

Applications for aid, except from new students, must be filled out on blanks furnished for the purpose and returned to the President's office by June 1, each year. New students will be furnished, upon application, with appropriate blanks. These must be filled out and returned to the President's Office by October 15.

STATE SCHOLARSHIPS—There are ten State Scholarships (each yielding $50 annually) in the hands of the Governor; and in bestowing them preference is given to the children of those who have borne arms in defense of their country, and always to students who are needy and meritorious.

Each of the following scholarships has been endowed by a donation of one thousand dollars, and pays $50 a year to the student elected to hold the scholarship.

REDINGTON SCHOLARSHIP—FOR A LADY STUDENT—Endowed by the late Hon. Asa Redington, LL.D., of Lewiston. This is supposed to be the first instance of such an appropriation in any college.

DUDLEY SCHOLARSHIP—Endowed by the late Alvin D. Dudley, Esq., of Haverhill, Mass.

CHENEY SCHOLARSHIP—FOR A STUDENT FROM NEW HAMPSHIRE—Endowed by the late Hon. Person C. Cheney, A.M., of Manchester, New Hampshire.

Woodman Scholarship—Endowed by the Paige Street Free Baptist Church, Lowell, Mass., in memory of Rev. Johnathan Woodman, a former pastor of the church.

Symonds Scholarship—Endowed by the Plymouth Street Free Baptist Church, Portland, in memory of Joseph Symonds, Esq., a deacon of the church.

Clements Scholarship—Endowed by the late Rev. Tisdale D. Clements of Lewiston.

Bridge Scholarship—Endowed by the late Charles Bridge, Esq., of Gardiner.

Lewis Scholarship—Endowed by the late Chace Lewis, Esq., of Providence, Rhode Island.

Class Scholarship—Endowed by the Class of 1877.

Bartlett Scholarship—Endowed by the Main Street Free Baptist Church, Lewiston, in memory of Rev. Flavel Bartlett.

Nathaniel Bowen Scholarship—Endowed by the late Mrs. Hannah Bowen of Providence, Rhode Island.

Cobb Scholarship—Endowed by the late Hon. C. C. Cobb of Lewiston, in memory of his son, Rev. Frank Woodbury Cobb, A.M., class of 1873.

Houghton Scholarship—Endowed by the late Rev. Alphonso L. Houghton, A.M., of Lawrence, Mass., class of 1870.

Randall Scholarship—Endowed by Mrs. Abby Randall in memory of Isaac Randall, Esq., of Johnston, R. I.

Williamson Scholarship—Endowed by Elias W. Williamson, Esq., of Potters Landing, Md., in memory of his father, Rev. Stephen Williamson, of Stark.

Quinnam Scholarship—Endowed by the late Mrs. James Hobbs of Chicago, Ill., in memory of her father, Rev. Constant Quinnam.

Eaton Scholarship—Endowed by Mrs. Oliver H. Durrell of Cambridge, Mass., in memory of her father, Rev. Ebenezer G. Eaton of Lewiston.

Baldwin Scholarship—Endowed by the late B. C. Baldwin, Esq., of Lowell, Mass., in memory of his wife.

BONNEY SCHOLARSHIP—Endowed by Mrs. Harriet Cheney Bonney and Sherman G. Bonney, M.D., in memory of Calvin F. Bonney, M.D., of Manchester, N. H.

FRYE SCHOLARSHIP—Endowed by the late Hon. William P. Frye, LL.D., of Lewiston.

NUTTING SCHOLARSHIP—Endowed by the late Lyman Nutting, Esq., of Lebanon, Pa., in memory of his sister, Mrs. Charlotte Nutting Chadbourne.

ELLIS SCHOLARSHIP—Endowed by the late Miss M. A. Wales of Boston, Mass., in memory of her pastor, Rev. Rufus Ellis, D.D.

TALPEY SCHOLARSHIP—Endowed by the late Hon. Charles W. Talpey of Farmington, N. H.

THISSELL SCHOLARSHIP—Endowed by the late Mrs. Abby T. Deering of Portland, in memory of Hon. John Thissell of Corinth.

WARD SCHOLARSHIP—Endowed by Mrs. Mary E. Ward, in memory of her husband, Warren Ward, Esq., of Auburn.

BEAN SCHOLARSHIP—Three scholarships endowed by the late Cyrus E. Bean of Portland, in memory of his father, Cotton Bean of Limerick.

SMALL SCHOLARSHIP—Endowed by James T. Small, Esq., of Lewiston, in memory of his son, Everett J. Small, class of 1889.

DYER SCHOLARSHIP—Endowed for the benefit of some student preparing for the Christian ministry, by the late Mrs. Irene M. Higgins, in memory of her parents, Mr. and Mrs. Jonah Dyer of Cape Elizabeth.

PAGE SCHOLARSHIP—Endowed by the late Peter Page, Esq., of New York City.

RAMSEY SCHOLARSHIP—Endowed by the late Mrs. V. G. Ramsey of North Berwick, in memory of her husband, Rev. G. P. Ramsey.

MATHEWS SCHOLARSHIP—Endowed by the late John M. Mathews, Esq., of Burlington, Vt., in memory of his daughter, Orissa Frances Mathews.

PERKINS SCHOLARSHIP—Endowed by the late Mrs. Moses

W. Shapleigh of Ashland, N. H., in memory of her father, Rev. Thomas Perkins.

Woodbury Scholarship—Endowed by friends of the late Charles Woodbury of Boston, for the benefit of some Methodist student.

Harmon Scholarship—Endowed by the late Ivory W. Harmon of Newton Center, Mass., in memory of his son, Wallace Ivory Harmon.

Mary L. Stone Scholarship—Endowed by the late James S. Stone of Boston, Mass., in memory of his wife.

Jordan Scholarship—Endowed by Merrill Page and Emily Deering Jordan, in honor of Rev. Zachariah and Sabrina Page Jordan.

Clapp Scholarship—Endowed by the late Lucius Clapp, Esq., of Randolph, Mass.

Lovina Haines Haskell Scholarship—Endowed by the late Edwin B. Haskell of Boston, Mass.

Fiske Scholarship—Endowed by the late Elizabeth S. Fiske of Boston, Mass.

Rowe and Clarry Scholarships—Endowed by a bequest of Mrs. Emily H. C. Rowe, in memory of her daughter, Miss Emma F. Clarry, and affording free tuition to four young women, preference to be given to worthy students from Brooks, Me.

Dexter N. Richards Scholarship—Endowed by Mrs. L. M. Richards of Brookline, Mass., in memory of her husband.

Stetson Scholarship—Endowed by the late Amos W. Stetson of Boston, Mass.

John D. Philbrick Scholarship—Endowed by the late Mrs. John D. Philbrick.

William Wells Cate Scholarship—Endowed by Rev. C. E. Cate, D.D., of Providence, R. I., in memory of his brother.

E. S. Jordan Scholarship—Endowed by the late Mrs. Clara Stanton Jordan, in memory of her husband.

Foster Lee Randall Scholarship—Endowed by the late Foster Lee Randall of Lewiston.

Stanley Scholarship—Endowed by Ezra B. Stanley of Manchester, Mass.

David and Thankful Jordan Scholarship—Endowed by their children.

Hopkins Scholarship—Endowed by the late Augustus Hopkins, Esq., of Gardiner, Maine, preference to be given worthy students from Gardiner.

Herrick Scholarship—Endowed by the late Katherine Gardiner Herrick and by H. Adeliza Herrick of Lewiston, in memory of their parents, Samuel and Phebe H. Herrick, late of Northport, Me.

Tarbox Scholarship—Endowed by Oren Cheney Tarbox, M.D., Bates '80, in honor of his parents, Rev. Moses H. and Adrianna Weymouth Tarbox. Said scholarship to be applied for the aid of any deserving student, irrespective of age, color, sex or sect, preference being given, however, to a student contemplating the Christian ministry.

Osgood Scholarship—Endowed by Col. Charles H. Osgood of Lewiston, and Amy Elizabeth Hunter of Carbondale, Pa., in honor of their father and mother, Henry A. and Elizabeth H. Osgood, for the benefit of some young man or woman from the State of Maine.

Albina Elizabeth Goodspeed Scholarship—Endowed by Jessie L. Goodspeed, Gertrude C. Goodspeed, and Henry S. Goodspeed, of the city of New York, in memory of their mother,—preference in awarding the scholarship to be given to a woman student.

Class Scholarship—Endowed by the Class of 1887, descendants of members of the class to have the preference, when possible, in the benefits from the scholarship.

Arthur Sewall Whitehouse Scholarship—Endowed by the Class of 1875, in memory of their scholarly and beloved classmate, born August 25, 1853, died February 18, 1874.

Charles E. Moody Scholarship—Endowed by his sister, the late Frances S. Moody.

John P. Hilton Scholarship—Endowed by the late Mrs. Mary Hilton, of Cambridge, Mass., in memory of her husband.

CLARA B. PERKINS SCHOLARSHIP—Endowed by the late Benjamin F. Perkins, of Bristol, N. H., in memory of his daughter.

LUCIA SPRING SCHOLARSHIPS—Five scholarships endowed by Miss Mary Isabella Corning, of East Hartford, Conn., in memory of her aunt, Miss Lucia Spring. These scholarships are primarily available for young women, but may be assigned to young men.

HERBERT L. BRADFORD SCHOLARSHIP—Endowed by his parents, Roscoe S. and Asenath J. Bradford, in memory of their son, Herbert Loring Bradford, who died in 1883 during the first term of his Freshman year at Bates,—for the benefit of a deserving young man.

HELEN HINKLEY SCHOLARSHIP—Endowed by the late Miss Helen Hinkley, of Augusta, Maine, the preference, when possible, to be given some student from the Free Baptist Church in Augusta.

BEAL SCHOLARSHIP—Endowed by the late Mrs. Lurenda E. Beal in memory of her children, Alice Beal and Parker Beal, who were graduated from Bates College in 1891.

THOMAS MARTIN SCHOLARSHIP—Endowed by the wife and children of the late Thomas Martin, for years an honored Trustee of Bates.

WASHINGTON LAFAYETTE COOPER SCHOLARSHIP—Endowed by Mrs. Sarah D. Cooper, of New York, in memory of her husband.

MARY RHODA EMERY SCHOLARSHIP—Endowed by the late Mrs. Ella Rhoda Emery in memory of her daughter, for the benefit of a deserving woman student.

GRENVILLE PIKE EMERY SCHOLARSHIP—Endowed by Grenville C. Emery, Bates '68, in memory of his son, for the benefit of a worthy young man.

ELLEN BYRON SCRUTON SCHOLARSHIP—Endowed by the late Ellen Byron Scruton of Lewiston.

PROUTY SCHOLARSHIP—Endowed by Miss Annie B. Prouty, of Somersworth, N. H., in memory of her mother, Mrs. Martha A. (Legro) Prouty, to be given annually to some student, preferably a relative of the donor.

THE JENNIE R. SMITH SCHOLARSHIPS—Five scholarships of $1,000 each, endowed by the late Hon. Oramandel Smith to perpetuate the memory of his wife.

SILAS CURTIS SCHOLARSHIP—Endowed by the late Rev. Silas Curtis of Concord, N. H.

THE CHARLES L. HUNT SCHOLARSHIP—Endowed by the late Charles L. Hunt, of Gleasondale, Mass., Bates '72.

THE KNOWLTON SCHOLARSHIPS—The late Hon. Hiram Knowlton of Portland, Maine, deposited with the Treasurer of the College $3,000, the income of which sum is to be used, when under the stipulated conditions it shall become available, for the maintenance of the following scholarships:

William and Mary Knowlton Scholarship—To perpetuate the names of his parents.

Sabrina Wood Knowlton Scholarship—To perpetuate the name of his wife.

William James Knowlton Scholarship—To perpetuate the name of his son.

WEBER SCHOLARSHIPS—The Trustees, under the will of the late Frederick E. Weber of Boston, Mass., have been given five thousand dollars for the maintenance of Weber Scholarships, for the benefit of needy and deserving students at Bates College. It is a condition of the gift that one-half of the income shall be added to the principal year by year; and that the remaining half only shall be used for the support of said scholarships.

JOSEPH S. RICKER SCHOLARSHIP FUND—A fund of $10,000, the income of which is distributed in equal sums among ten deserving women students—the beneficiaries to be selected, whenever practicable, from different counties in Maine.

BRADSTREET FUND—The late William W. Bradstreet, of Gardiner, Me., established a Trust Fund of $2,000, the income of which is to be used for the benefit of deserving students, under the direction of the President of the College, and in accordance with certain conditions specified in the trust.

COE SCHOLARSHIP—A scholarship of $3,000, endowed by Thomas Upham Coe, of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the

man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

Dana Estes Scholarship—A permanent scholarship of $2,500, endowed by the late Dana Estes, A.M., of Boston, the income to be awarded annually to some needy and deserving student.

Henrietta G. Fitz Scholarship—A scholarship of $1,500, endowed by Mrs. Henrietta G. Fitz, of Boston, the income to be awarded annually to some worthy graduate of Proctor Academy, Andover, N. H.

Sarah C. Gower Scholarship—A scholarship of $2,000, endowed by the late Sarah C. Gower of Auburn, Me.

John Bartlett Kezar Scholarship—A scholarship of $2,000 endowed by Mrs. Nancy M. H. Kezar of San Francisco, in memory of her son. In awarding this scholarship preference is to be given to a deserving student from Turner, Me.

Cyrus Greely Fund—From the estate of the late Cyrus Greely, the College has received $10,000,—the principal of said sum to be safely invested and to be known as the Cyrus Greely Fund, and the income thereof to be appropriated annually for the benefit of deserving students of Bates College, preference being given to students from Lewiston.

Nancy Chase Edgecomb Fund—Since the suspension in 1908 of Cobb Divinity School as a Department of Bates College and the incorporation of certain of its courses with the work of the College there has been available "for and toward the maintenance and education" in the institution of "young men who are or who may be preparing themselves to preach the Gospel of Christ" or to engage in other kinds of Christian service, "and who need and who may need aid," the income of the Nancy Chase Edgecomb Fund. The amount of this income is at present about $740 annually. It is distributed by the Committee on Scholarships under the conditions above stated.

Student Loan Funds—From the estate of the late Mellen Bray, formerly of Newton, Mass., the College has received

$4,000 to constitute "The Mellen Bray Student Loan Fund." From John W. Farwell, of Boston, the College has received $2,000 to constitute "The Lorenzo Gilman Howe Student Loan Fund." The income of the above funds may be loaned at the discretion of the President of the College to needy and worthy students.

PRIZES

FIRST—FOR GENERAL SCHOLARSHIP

To a young man and to a young woman of the Junior Class, prizes of TEN DOLLARS each.

To a young man and to a young woman of the Sophomore Class, prizes of EIGHT DOLLARS each.

To a young man and to a young woman of the Freshman Class, prizes of SIX DOLLARS each.

SECOND—FOR EXCELLENCE IN PUBLIC SPEAKING

In the Second Semester—To a young man and to a young woman of the Freshman Class, prizes of TEN DOLLARS each.

In the First Semester—To a young man and to a young woman of the Sophomore Class, prizes of TEN DOLLARS each.

Senior Exhibition—By means of a fund established in June, 1911, by Judge Oren Nelson Hilton, Bates 1871, of Denver, Colorado, a prize of THIRTY DOLLARS is available for the Senior whose part shall show the greatest excellence in thought, style, and delivery.

Commencement Week—To members of the Junior Class, one prize of FORTY-FIVE DOLLARS and one prize of THIRTY DOLLARS for original parts.

THIRD—FOR EXCELLENCE IN ENGLISH COMPOSITION

In the Second Semester—To a member of the Sophomore Class, a prize of TEN DOLLARS.

FOURTH—FOR EXCELLENCE IN GREEK

At the close of the first semester a prize of TEN DOLLARS each presented by Rev. W. Bertrand Stevens, of the class of 1906, to the young man in the Freshman Class, and to the young woman in the Freshman Class, who have done the best work in Greek.

FIFTH—FOR EXCELLENCE IN LATIN

At the close of the second semester a prize of TEN DOLLARS is presented by Dr. Daniel R. Hodgdon, of the class of 1908, to the student in the Junior Class who has done the best work in Latin.

SIXTH—FOR EXCELLENCE IN PUBLIC DEBATE

Second Semester—To a member of each division of the Sophomore Class, a prize of TEN DOLLARS.

Second Semester—The Champion Debate—Prizes amounting to TWENTY-FIVE DOLLARS; ten dollars for the best debate, and fifteen dollars to the best team. Six are chosen from the Sophomore Class to compete for these prizes.

Hon. F. M. Drew awards annually gold medals to men who win inter-collegiate debates.

SEVENTH—THE BRYANT PRIZE.

Through the generosity of Mr. W. H. H. Bryant of Boston, Mass., a prize of FIFTY DOLLARS will be awarded annually to the member of the Senior Class who shall prepare the best essay upon "Arbitration instead of War."

PRIZES FOR 1918-1919

For the past year the prizes have been awarded as follows:

For General Scholarship—Harvey B. Goddard, Leighton G. Tracy, Olin B. Tracy, Ethel M. Weymouth, '20; Winslow S. Anderson, Theodora Dennison, '21; Clarence A. Forbes, Katharine E. O'Brien, '22.

For Public Speaking in 1918—Freshman, Alexander E. Mansour, Eleanor R. Bradford; Sophomore, Alexander E. Mansour, Elizabeth M. Becker.

For Original Parts—1919—Harvey B. Goddard, Julia H. Barron.

For Senior Exhibition—Arthur E. Tarbell, '18.

For English Composition—Marguerite F. Hill, '21.

For Excellence in Greek—Izetta E. Lidstone, Clarence A. Forbes, '22.

For Excellence in Latin—Marion C. Sanders, '20.

For Champion Debates, 1919—Charles M. Starbird, '21; best team: Gladys F. Hall, Charles M. Starbird, Loys A. Wiles, '21; best team: Roland J. Carpenter, Aurie I. Johnson, Dwight E. Libby, '22.

The Bryant Prize, 1919—

The Coe Scholarship, 1919 (see p. OO)—Harvey B. Goddard, '20.

In the Intercollegiate Debate with Tufts College the winning team consisted of Edward H. Brewster, '19, Arthur F. Lucas, '20, Benjamin E. Mays, '20. In the intercollegiate debate with Clark College the winning team consisted of Charles P. Mayoh, '19, Charles M. Starbird, '21, Robert B. Watts, '22.

For special proficiency in the work of any department, a student may receive an honorary appointment as assistant in that work. Such appointments for the present year are as follows: Argumentation, Marjorie E. Thomas, Gladys F. Hall; Biology, Harvey B. Goddard, Laurence W. Philbrook, Oscar Voigtlander; Chemistry, Winslow S. Anderson, Fred N. Creelman, Edna D. Gadd, Arlene S. May, Charles B. Stetson, Howard D. Wood; English, Dorothy I. Haskell, Robert Jordan; Geology, Charles E. Hamlen, Agnes F. Page, Clarence E. Walton, Elizabeth R. Williston; Latin, Clarence A. Forbes; Mathematics, Raymond B. Buker, Philip L. Stevens, Loys A. Wiles, Donald K. Woodard; Public Speaking, Julia H. Barron, Leighton G. Tracy; Physics, Ransome J. Garrett.

The staff of the *Bates Student* for 1920 is as follows: Editor-in-chief, Loys A. Wiles; managing editor, Charles W. Peterson; News department—Editors, Crete M. Carll, Robert Jordan, Constance A. Walker, Mildred C. Widber, Carlton L. Wiggin, Laurence D. Kimball, Dwight E. Libby, Clifton T. Perkins, Robert B. Watts; Magazine department—Literary Editor, Dorothy I. Haskell; Editors, Minerva E. Cutler, Marguerite F. Hill, Paul B. Potter, Stanley Spratt; Business department—Manager, William H. Hodgman; Assistant Managers, Benjamin W. Avery, Frank A. Buote.

STUDENTS

GRADUATES

NAME	RESIDENCE	ROOM
Coburn, John Wesley	Lewiston	35 Nichols St.

SENIORS

Arey, Evelyn Winifred	Vinalhaven	R. H.
Barron, Julia Hopkins	Ellsworth	250 College St.
Barrow, Ellis Dale	Plainville, Conn.	P. H.
Blaisdell, Walter Halbert	Franklin	P. H.
Buker, Gerald Holden	Hampton, N. H.	133 College St.
Burns, Ralph Arthur	Vinalhaven	P. H.
Clement, Rufus Walter	Goffstown, N. H.	New Exchange Hotel
Crawford, Helen Winslow	Lancaster, N. H.	R. H.
Creelman, Fred Norman	Suffield, Conn.	P. H.
Crockett, Hattie Belle	Lisbon	Lisbon
Dean, John Josiah	Tilton, N. H.	R. W. H.
Edward, Vivian Beryl	Portland	R. H.
Freedman, Louis Archie	Belfast	P. H.
Garrett, Ransome Joseph	Livermore Falls	R. W. H.
Goddard, Harvey Burton	Lewiston	R. W. H.
Goodall, Grace Mildred	Thomaston, Conn.	R. H.
Guptill, Philip Holmes	Meredith, N. H.	P. H.
Hall, James Haviland Smith	New Rochelle, N. Y.	R. W. H.
Hamlen, Charles Elmer	Lewiston	142 Wood St.
Irish, Burton Walter	Lewiston	140 Oak St.
Jackson, Vernice Ruth	Lisbon	C. H.
Kennison, Paul Hartwell	Brownville	P. H.
Keyes, Rudolph Howard	Marlboro, Mass.	P. H.
Kirschbaum, Charles Hunt	New Bedford, Mass.	P. H.
Lamson, Josie Emerson	Addison	210 College St.
Lane, Eloise Frances	Hampton, N. H.	R. H.
Larkum, Newton Wheeler	Hartford, Conn.	P. H.
Logan, Gladys Lillian	South Portland	R. H.
Lucas, Arthur Fletcher	Auburn	5 Myrtle St., Auburn
McCallister, Ruth	Rochester, N. H.	C. H.
McKenzie, Ernest Alexander	Lisbon	Lisbon
May, Arlene Stevens	Woodfords	C. H.
Mays, Benjamin Elijah	Epworth, S. C.	P. H.
Moore, Priscilla	Lancaster, N. H.	R. H.
Murphy, Raymond Edward	Lewiston	38 Howe St.
Page, Agnes Fowler	Lewiston	203 College St.

Peterson, Myrtle Annie	Colebrook, N. H.	C. H.
Philbrook, Lawrence Weymouth	Auburn	P. H.
Pierce, Elinor Shirley	Auburn 104 High St., Auburn	
Potts, Harry Leavitt	Lynn, Mass.	R. W. H.
Rice, Albion Ramsdell	West Lubec	R. W. H.
Ripley, Rachel Louise	Bucksport	R. H.
Sanders, Marion Gertrude	Dover, N. H.	R. H.
Sargent, Ida Louise	Newport, N. H.	M. H.
Small, Wesley Alton	Stonington	P. H.
Soule, Mlidred Arlene	Rumford	C. H.
Stetson, Charles Benjamin	Richmond	R. W. H.
Symmes, Eva Bernice	Franklin, Mass.	R. H.
Taylor, Ida Alice	Rumford	M. H.
Thomas, Marjorie Etta	Sumner	C. H.
Tilton, Paul Josiah	Raymond, N. H.	R. W. H.
Tracy, Leighton Goodwin	Skowhegan	P. H.
Tracy, Olin Berry	Skowhegan	P. H.
Trask, Ervin Elverton	Clinton	P. H.
Voigtlander, Oscar	Ansonia, Conn.	R. W. H.
Walton, Clarence Eldon	Madison	P. H.
Weymouth, Ethel Marion	North Berwick	R. H.
Williston, Elizabeth Reifsnyder	Phillipsburg, N. J.	R. H.
Wood, Howard Douglas	Newcastle 174 Holland St.	
Woodman, Stanton Howe	Portland	P. H.

JUNIORS

NAME	RESIDENCE	ROOM
Allenby, Hubert Alfonso	Barbados, B. W. I.	P. H.
Anderson, Ida Mae	Patten	R. H.
Anderson, Winslow Samuel	Portland	P. H.
Bailey, Evelyn Mae	Brunswick 39 White St.	
Bartlett, Mary Elizabeth	Fremont, N. H.	R. H.
Bates, Marian Winnifred	Brookline, Mass.	C. H.
Belmore, Carl Warren	Wakefield, Mass.	P. H.
Blackinton, Frank Henry	Chester Depot, Vt.	
Bond, Willard Francis	Boston, Mass.	P. H.
Bonney, Ada Claire	Canton	C. H.
Bowie, Ruth Eveyln	Lewiston 83 Wood St.	
Bowman, Irene Melita	Lewiston	R. H.
Bradley, Ruth Alfreda	Island Falls	C. H.
Brewster, Laura Eleanor	Portland	R. H.
Bridges, Frank Lewis	Schenectady, N. Y.	P. H.
Buker, Richard Steele	Hampton, N. H.	R. W. H.
Carll, Crete Muriel	Waterboro	R. H.
Chandler, Lois Aurora	Biddeford	W. H.

Colburn, Ruth	Canaan, N. H.	R. H.
Connolly, Emma Marion	York Village	C. H.
*Coombs, John Dexter	Lisbon Falls	
Cox, Cora Alice	West Lubec	195 Oak St.
Cronin, Michael Joseph	Haverhill, Mass.	P. H.
Cusick, John Michael	Gardiner	P. H.
Cutler, Minerva Eliza	Medfield, Mass.	R. H.
Dennison, Theodora	Dryden	R. H.
Dion, Maurice	Randolph	P. H.
Doe, Caroline Mary	Rumney, N. H.	145 Nichols St.
Drake, John Francis	Lewiston	10 Wood St.
Duffett, Warren Alonzo	Framingham, Mass.	P. H.
Durost, Morley Johnson	Mars Hill	150 Sabattus St.
Ebner, Raymond Anthony	Thomaston, Conn.	P. H.
Edwards, Mildred Pratt	Southington, Conn.	M. H.
Field, Clarence Alfred	Auburn	19 Williams St., Auburn
Findlen, Marguerite Helen	Fort Fairfield	10 Hammond St.
Fisher, Esther Emily	Lewiston	632 Main St.
Fisher, Ruth Katherine	Franklin, Mass.	R. H.
*Fullerton, Alice Thelma	Ellsworth	
Gadd, Edna Dorothy	Plymouth, N. H.	R. H.
Ganley, Arnold Lincoln	West Groton, Mass.	P. H.
Greene, Carroll Owen	Vinalhaven	P. H.
Gross, Leroy Calderwood	Vinalhaven	P. H.
Haley, Mabel Vaughn	Sabattus	C. H.
Hall, Gladys Florence	Manchester, N. H.	C. H.
Hamilton, Marjorie Louise	Caribou	R. H.
Hamilton, Mary Josephine	Lewiston	98 Walnut St.
Hamlen, Frank Henry	Lewiston	142 Wood St.
Haskell, Dorothy Irma	Auburn	109 Summer St., Auburn
Hatch, Bernice Mildred	Plymouth, N. H.	18 White St.
Hawkins, Eunice Irene	Lisbon, N. H.	R. H.
Healey, Agrandece Lactina	Pittsfield	R. H.
Herrick, Laura Margaret	Leeds	R. H.
Hill, Marguerite Frances	Auburn	109 Summer St., Auburn
Hodgdon, Florence Eunice	Rochester, N. H.	R. H.
Hodgman, William Henry	Amherst, N. H.	P. H.
*Huff, Eugene Alvin	Norridgewock	
Hughes, Edna Frances	South Portland	R. H.
Johnson, Maynard Stickney	Brownville	P. H.
Jones, Katherine Hunt	Norway	R. H.
Jordan, Caroline Theresa	Lewiston	10 Bearce Ave.
Jordan, Robert	Cumberland Center	R. W. H.
Knapp, Rachel Southwick	Lewiston	32 Mountain Ave.
Lamson, George Carroll	Gardiner	107 Wood St.
Libbey, Ruth	Wolfeboro Falls, N. H.	R. H.
Lindquist, Florence Gertrud	Manchester, N. H.	R. H.
McKinney, Roscoe Lewis	Washington, D. C.	P. H.

Menard, Marceline Eleanore	Pittsfield	691 Main St.
Merrill, Edna Leighton	Mechanic Falls	R. H.
Miller, Dorothy	South Berwick	R. H.
Moore, Lewis Tanner	Washington, D. C.	P. H.
Morris, Edward Allen	Baltimore, Md.	107 Nichols St.
Morrison, Isabella Fairley	Newtonville, Mass.	R. H.
Mosher, James Earle	Belgrade	P. H.
Newell, Harry Severy	Turner	P. H.
Paris, Annabel Harriet	Wolfeboro Falls, N. H.	R. H.
Paul, Charles Ditchfield	Springfield, Mass.	R. W. H.
Penny, Carl	Cliftondale, Mass.	P. H.
Perkins, Leon Winthrop	Ogunquit	R. W. H.
Philbrook, Ernestine	Bethel	R. H.
Pike, Arlene Howland	Rangeley	36 Frye St.
Pinkerton, Forest Raymond	Bowdoinham	94 Nichols St.
Rand, Carleton Hobart	Lewiston	82 Pierce St.
Roy, Gabrielle Marie	Lewiston	176 Pine St.
Safford, Vera Blanche	Augusta	R. H.
*Sloan, Leona Mabelle	Norway	
Small, Melville Lee	Stonington	P. H.
Starbird, Charles Millard	Danville	Danville
Steady, Kenneth Ralph	Berlin, N. H.	
Stevens, Charles Laurence	Stoneham, Mass.	R. W. H.
Stiles, Ruth	Mystic, Conn.	142 Wood St.
Stoehr, Marie	Sabattus	Sabattus
Tackaberry, Sara Christina	Lewiston	322 Bates St.
Tapley, Roland William	Lewiston	161 Holland St.
Trow, Margaret Sydney	Northampton, Mass.	R. H.
True, Howard Dexter	Phillips	P. H.
Varney, Edward Chesley	Milton, N. H.	P. H.
Walker, Constance Anna	Bridgton	C. H.
Warren, Marion Elizabeth	Auburn	R. H.
Webster, Millard Duston	Woolwich	R. W. H.
Weymouth, Clarice Vivian	Kingfield	23 Wakefield St.
Whiting, Norma Valerie	Auburn	3 Josslyn St., Auburn
Widber, Mildred Clark	Portland	C. H.
Wiggin, Carleton Low	Sanford	P. H.
Wight, Donald Gordon	Bolster's Mills	P. H.
Wiles, Loys Arthur	Groveton, N. H.	P. H.
Willard, Elmer Blanchard	Cape Elizabeth	R. W. H.
Woodard, Donald Kenneth	New Bedford, Mass.	P. H.
Woodbury, Robert Isaac	Topsfield, Mass.	P. H.
Yeaton, Evelyn Henrietta	Richmond	R. H.

SOPHOMORES

NAME	RESIDENCE	ROOM
Allen, Clarence Everett	Holbrook, Mass.	R. W. H.
Armstrong, Marguerite Stanley	Lancaster, N. H.	112 Wood St.
Ashton, John William	Lewiston	82 Webster St.
Avery, Benjamin Waldo	Jefferson	R. W. H.
Bailey, William Oscar	Auburn	19 Dexter Ave., Auburn
Bates, Arthur Irving	Lewiston	73 College St.
Becker, Elizabeth Marie	New Brunswick, N. J.	W. H.
Bernard, Romeo Armand	Auburn	48 Third St., Auburn
Blackmer, Mavorette Evelyn	Erving, Mass.	R. H.
Bowes, Muriel Gladys	Thomaston	M. H.
Bowman, Vyvyan Mae Cecelia	Lewiston	44 Summer St.
Bradford, Eleanore Rae	Buckland, Mass.	R. H.
Bryant, Homer Chenery	Portland	R. W. H.
Buker, Raymond Bates	Hampton, N. H.	204 College St.
Bumpus, Amos Francis	Turner	P. H.
Buote, Frank Albert	Roxbury	P. H.
Burgess, Alosco Manser	Auburn	19 Drummond St., Auburn
Burgess, Llewellyn Allinson	Worcester, Mass.	Ch. H.
Campbell, Warren Cameron	South Portland	R. W. H.
Carpenter, Roland Joy	Patten	P. H.
Cary, Mildred Methyl	Brockton, Mass.	48 Whitney St., Auburn
Case, George Asbury	Lewiston	P. H.
*Chadwick, Howard Lozeah	West Bridgewater, Mass.	
Chamberlain, Charles Elton	Upton, Mass.	P. H.
Clark, Beatrice Astrea	Laconia, N. H.	M. H.
Clifford, Earle Augustus	Winthrop	R. W. H.
Clifford, Mary Alice	South Paris	M. H.
*Clothey, Frederick Bateman	Auburn	
*Clothey, John Howard	Auburn	
Coombs, Helen Amelia	Lewiston	106 Holland St.
Crockett, David	Auburn	20 Davis St., Auburn
Cullens, Ruth	Groveland, Mass.	M. H.
Cutler, Felix Vining	Medfield, Mass.	P. H.
Davis, Dorothea	Rochester, N. H.	R. H.
Deane, Almon Eugene	South Weymouth, Mass.	P. H.
Dearing, Gladys Inez	South Portland	M. H.
Dillon, Louis Michael	South Braintree, Mass.	P. H.
Dorner, Frank Joseph	Thomaston, Conn.	P. H.
Drew, Kathleen Gertrude	Littleton, Mass.	R. H.
Drew, Marion Agnes	Littleton, Mass.	R. H.

Drisko, Frank Eugene	Columbia Falls	P. H.
Dukakis, Peter Stelian	Lowell, Mass.	R. W. H.
Dunlap, Annie Lillian	Richmond	C. H.
Earle, Maurice Lester	Litchfield	P. H.
Eaton, Blythe Meredith	Meredith, N. H.	P. H.
Ebbett, Raymond Vincent	Caribou	157 East Ave.
Emery, Howard Rodney	West Paris	P. H.
Everett, Olive Constance	Mars Hills	R. H.
Fairweather, Ethel Muriel	Portland	R. H.
Fernald, Florence Edna	Alfred	M. H.
Fieneman, Wilhelmina Anna	Farmington, Conn.	M. H.
Forbes, Clarence Allen	Colebrook, N. H.	R. W. H.
Forrest, Helen Simpson Wright	Manchester, N. H.	M. H.
French, Carl Gardner	Everett, Mass.	P. H.
Frost, Florence Afton	Lewiston	82 Horton St.
George, Grace Monroe	Manchester, N. H.	10 Riverside St.
Gifford, George Gordon	West Tisbury, Mass.	P. H.
Goding, Lucille Addie	Lewiston	349 Main St.
Good, Gordon Robert	Bath	P. H.
Gould, Grace Palmer	Lyndon Center, Vt.	M. H.
Gray, James	Lewiston	394 Sabattus St.
Griffin, Arthur Russell	South Portland	R. W. H.
Grundy, Earle Benjamin	Skowhegan	R. W. H.
*Hall, Earl Warren	Augusta	
Hall, Harry Thomas	Buckfield	P. H.
Hanscom, Kathryn	Bethel	M. H.
Hanson, Rutherford	Gorham	36 Frye St.
Harriman, Edwin James	Lewiston	85 Pine St.
Harriman, Helen Julia	Lewiston	85 Pine St.
Harriman, Lester Boardman	Lewiston	85 Pine St.
Hayes, Georgiana Colby	Gorham	36 Frye St.
Hayward, Maude Anna	Millbury, Mass.	R. H.
Herling, Lilli Ella	Lewiston	89 King Ave.
Holt, Dorothy	Nutley, N. J.	M. H.
Hooper, Doris Eloise	Gorham	M. H.
Hutchinson, George Royal	Readfield Depot	P. H.
Ineson, Fredrica Ilsley	South Freeport	M. H.
Irish, Frances Ellen	Turner	M. H.
Jackson, Cleora Marguerite	Auburn	144 Spring St., Auburn
Jenkins, William Gurney	Hartford, Conn.	P. H.
Johnson, Aurie Ivan	Buffalo, N. Y.	P. H.
Judkins, Dorothy Albina	Lisbon	Lisbon
Kendall, Raymond Leon	Springfield, Mass.	R. W. H.
Kassay, John Janvari	Gardiner	P. H.

Kimball, Lawrence Dustin	Bethel	R. W. H.
Knight, Rosalia Edgecomb	Turner Center	M. H.
LaCourse, Charles Milton	Rumford	P. H.
Langley, William Harold	Milton Mills, N. H.	P. H.
Laurance, Maude Adelia	Lewiston	72 Walnut St.
Leathers, Kenneth Elwood	Auburn	P. H.
Libbey, Dwight Evileth	West Poland	R. W. H.
Lidstone, Izetta Elizabeth	Patten	M. H.
Little, Mary Elizabeth	West Medford, Mass.	M. H.
Longley, Dorris Sibley	Norway	M. H.
Lord, Kenneth Dorrance	Auburn	15 Vine St., Auburn
Lothrop, Doris Emma	Hallowell	R. H.
Luce, Grace Hazel	Hallowell	M. H.
Luce, Leroy Clark	Somerset	P. H.
McAlister, Ralph Howard	West Paris	P. H.
McAlister, Valerie Flora	New Bedford, Mass.	9 Maple St., Auburn
McKenney, Harry Clifton	Gardiner	P. H.
MacDonald, Esther Madeline	Manchester, N. H.	M. H.
MacLean, Earle Charles	Everett, Mass.	P. H.
Magwood, Ethel Emroye	Vineyard Haven, Mass.	R. H.
Manser, Doris Ella	Auburn	115 Spring St., Auburn
Mansour, Alexander Elias	Auburn	R. W. H.
Manter, Harold Winfred	Anson	P. H.
*Marcotte, Lucien Xavier	Lewiston	
Minot, Frances Lydia	Belgrade	340 College St.
Mitchell, Lola Velma	Sabattus	226 College St.
Mixer, Martha Virginia	Norway	24 Frye St.
Moody, Henrietta	Auburn	93 Gamage Av., Auburn
Moulton, Maynard Webster	Auburn	P. H.
Naiman, George Jack	Randolph	R. W. H.
O'Brien, Katharine Elizabeth	Portland	M. H.
Parker, Joseph Lincoln	Cooksville, Md.	P. H.
Parsons, Alice Ruth	Gardiner	M. H.
Pearson, Esther Charlotte	Winthrop	R. H.
Perkins, Clifton Todd	Farmington, N. H.	R. W. H.
Perry, Elva May	Norway	22 Friend St.
Peterson, Charles Welch	South Portland	P. H.
Potter, Paul Barber	Griswold, Conn.	P. H.
Richardson, Helen Hildred	Sabattus	M. H.
Ross, Norman Everett	Biddeford	P. H.
Rounds, Carl Pulsifer	Lewiston	567 Main St.
Smith, Carl Ellsworth	Framingham, Mass.	P. H.
Smith, Delora Alpen	Livermore Falls	36 Frye St.
*Smith, Orie Lincoln	Dryden	

Snow, Pearl Ellen	Lisbon Falls	377 College St.
*Spiller, Lee Russell	Wells	
Spratt, Stanley Ward	Woonsocket, R. I.	P. H.
Starbird, Mildred Isabelle	Lewiston	392 Sabattus St.
Stickney, Edward Gatchell	North Sebago	P. H.
Stiles, Herbert Stanley	Readfield	Ch. H.
Stone, Olive Joyce	Norway	83 Wood St.
Sullivan, Kenneth Frank	Houlton	P. H.
Sundelof, Herbert George William	Boston, Mass.	R. W. H.
Sylvester, Wilfred Bancroft	Reading, Mass.	P. H.
*Tarr, William Leonard	New Haven, Conn.	
Taylor, Alonzo	Pittsfield	P. H.
Taylor, Russell Peter	Rumford	P. H.
Thompson, David Dennett	Lewiston	30 White St.
Traver, Doris Evonne	Lowell, Mass.	R. H.
VanLiew, Helen Mace	New Brunswick, N. J.	W. H.
*VanVloten, Jacob	East Braintree, Mass.	
Walden, Marjorie Frances	Greenland, N. H.	R. H.
Watts, Robert Burnham	Portland	R. W. H.
Webber, Robert Emmond	Auburn	P. H.
Whiting, Harold Burton	Auburn	Park Ave., Auburn
Whittier, Bertha Kaye	East Walpole, Mass.	M. H.
Wills, Frances Muriel	Lewiston	143 Horton St.
Wills, Vivian Osca	Auburn	M. H.
Wimersberger, Evelyn Georgiana	Lundy's Lane, Pa.	Auburn
Wyman, Margaret Grey	Cumberland Center	R. H.
Wyman, Mildred Herrick	Cumberland Center	R. H.
Yeaton, Eleanore	Auburn	153 Whitney St., Auburn
Young, Karl Richard	Lewiston	48 Ash St.
Zariphes, Constantine Argerios	Lowell, Mass.	R. W. H.

FRESHMEN

NAME	RESIDENCE	ROOM
Abbott, Emma Elizabeth	Presque Isle	W. H.
Abbott, Ernest Franklin	Oakland	H. H.
Adams, Beatrice Mae	Winthrop	36 Frye St.
Atwood, Elizabeth	Carver, Mass.	36 Frye St.
Austin, Oliver Daniel	Sabattus	P. H.
Bachelin, Jeanne Cecile	Rumford	36 Frye St.
Baker, Esther Augusta	Kennebunkport	W. H.
Baker, Mildred Frances	Randolph	W. H.
Barentzan, Theodora Rose	Augusta	380 Main St.
Batten, Raymond James	Wakefield, Mass.	P. H.
Bean, Herbert Romanzo	Lewiston	115 Wood St.

Beede, Ernest Abbott	Fremont, N. H.	33 Davis St., Auburn
Beliveau, Marie Rachel	Rumford	36 Frye St.
Bernard, Cezime Francois	Mexico	P. H.
Bessey, Ralph Alden	South Paris	J. B. H.
Blaisdell, Amy Viola	York Village	36 Frye St.
Blouin, Margaret Alice	Lewiston	47 Pierce St.
Bowie, Harold Everett	Lisbon Falls	J. B. H.
Bradford, Harold Lawrence	Livermore Falls	J. B. H.
Bragg, Arthur Norris	Pittsfield Hotel Cortland,	Auburn
Buck, Donald Crosby	East Sumner	J. B. H.
Burdon, Harold Cuthbert	West Medway, Mass.	R. W. H.
Burdon, Ruth Orodell	West Medway, Mass.	W. H.
Burrill, Richard Odiorne	Brewer	J. B. H.
Burton, Helen Irene	Bangor	W. H.
Carroll, Herbert Allen	Cyrus, Mass.	J. B. H.
Chick, Marion Vaeilletta	Monmouth	W. H.
Childs, Raymond Elvin	Upton, Mass.	P. H.
Clark, Ruth Elizabeth	Auburn	37 Western Prom., Auburn
Cleaves, Chester Freeman	Hudson, N. H.	J. B. H.
Clifford, Burton Kinney	South Paris	J. B. H.
Cole, Arthur Harold	Buckfield	J. B. H.
Conant, Neil Rendall	Auburn	246 Court St., Auburn
Converse, Hazel Munyan	Putnam, Conn.	W. H.
Cottle, Alice Beulah	Farmington	32 Sylvan Ave.
Crossland, Mary Alice Maud	Portland	W. H.
Cunningham, Alice Jane	Gardiner	W. H.
Cunningham, Almon Leland	Vinalhaven	J. B. H.
Curtis, Thorold Stickney	Stoughton, Mass.	P. H.
Cushman, Alice Maude	Canton	118 Pine St.
Daley, Grace Catharine	Kingston, N. H.	36 Frye St.
Descoteau, Arthur Clark	Norway	J. B. H.
Dibbins, Samuel Albert	Everett, Mass.	P. H.
Diehl, Lester Marvin	Cresskill, N. J.	P. H.
Dunlap, Albert Atkinson	Bowdoinham	J. B. H.
Dunlap, Ruth Emily	Laconia, N. H.	W. H.
Earle, Marion Arlene	Litchfield	W. H.
Elms, Dorothy	Auburn	10 Dennison St., Auburn
Field, Frances Muriel	Auburn	19 Williams St., Auburn
Files, Dorice Esther	Pittsfield	36 Frye St.
Files, Elizabeth Hanson	East Orange, N. J.	36 Frye St.
Filliettaz, Charles Maurice	Bar Harbor	J. B. H.
Fogg, John Garner	Portland	166 Blake St.
Gagnon, Rodolphe Alfred	Lewiston	210 Pine St.
Galvariski, Stanley Arthur	Rumford	P. H.
Gifford, Warner Tilton	Brewer	J. B. H.

Gilcrease, Arvilla Frances	Augusta	235 College St.
Gledhill, John Auld	Winthrop	J. B. H.
Goodwin, Clyde Belmont	Lisbon Falls	J. B. H.
Green, Rolvin Charles	Lisbon Falls	J. B. H.
Guiney, William Edward	Biddeford	P. H.
Hamlin, James Betts	North Bridgton	J. B. H.
Harris, Florence Alta	Monmouth	R. F. D. 7, Auburn
Harris, Helen Morrison Porter	Carmel	36 Frye St.
Hathaway, Lloyd Arnold	Bryant Pond	J. B. H.
Heistad, Thordis Ambjorg	Camden	M. H.
Henderson, Alexander Harol	Andover, Mass.	P. H.
Herbst, Anthony Paul	Lewiston	37 Nichols St.
Hilbourne, Edward Wesley	Cliftondale, Mass.	P. H.
Hinds, Thomas Edward	Springfield, Mass.	P. H.
Howe, Oscar Whitney	Marlboro, Mass.	J. B. H.
Hoyt, Helen Hildred	Presque Isle	W. H.
Huckins, Pearle Christene	Lyme Centre, N. H.	W. H.
Huntress, Fred Allston	Groveland, Mass.	J. B. H.
Irving, Norman Joseph	Randolph	J. B. H.
Jesseman, Alice Mary	Lisbon, N. H.	36 Frye St.
Johnson, Aaron Coburn	Stetson	P. H.
Jones, Otis Norcross	Norway	P. H.
Kelley, Thomas Francis	Gardiner	P. H.
Laing, Allison	Schenectady, N. Y.	W. H.
Lary, Howard Noyes	Lewiston	714 Main St.
Leader, Ruth Bernice	Lewiston	102 Nichols St.
Leighton, Bernard Eugene	Gardiner	J. B. H.
Lesieur, Pierre Eugene Oscar	Rumford	P. H.
Levine, Abraham Bernard	Wakefield, Mass.	J. B. H.
Lewis, Clifton Francis	Springfield	J. B. H.
Lindley, Harry Clayton	Foxboro, Mass.	J. B. H.
Lombard, Gertrude Louise	Haverhill, Mass.	36 Frye St.
Long, Bryce Linwood	Sanford	P. H.
McGinley, Frank Flint	South Paris	J. B. H.
Magnusson, John James	East Kingston, N. H.	R. W. H.
Marcus, Helen Lillian	Cuddebackville, N. Y.	W. H.
Marriner, Robie Donald	Belfast	J. B. H.
Mayberry, Bertha Alma	Auburn	335 Minot Ave., Auburn
Mennealy, Arthur Booker	Lewiston	34 Sylvan Ave.
Mennealy, Thomas Randall	Lewiston	34 Sylvan Ave.
Milliken, Nelly Knowlton	Augusta	36 Frye St.
Monteith, Hazel Margaret	Rumford	W. H.
Murchie, Ruth Elizabeth	Calais	36 Frye St.
Nason, Philip Stephen	Newton, N. H.	R. W. H.
Noyes, Frederick Charles	Vinalhaven	J. B. H.
Palmer, Harris Cary	East Sumner	J. B. H.

Peaslee, Clarence Capen	Auburn	42 Goff St., Auburn
Pillsbury, Ella Marjorie	Limington	W. H.
Pinckney, Theodore Roosevelt	Washington, D. C.	P. H.
Plummer, Mable Horr	Auburn	160 Holland St.
Powers, Philip Raymond	Portland	J. B. H.
Prescott, Hazel Edith	Worcester, Mass.	36 Frye St.
Provost, Romeo Rosario	Lewiston	30 Webster St.
Purinton, Carl Everett	Lewiston	36 Mountain Ave.
Reade, John Leslie	Lewiston	18 Wakefield St.
Ripley, Ernest Ebor	Methuen, Mass.	J. B. H.
Roberts, Edward Freeman	Lewiston	128 Wood St.
Roberts, Elsie Louise	Kennebunk	36 Frye St.
Robinson, Paul	Lewiston	Webster St.
Rogers, Vivienne Iolia	Pittsfield	W. H.
Rose, Gerald Albert	Mexico	J. B. H.
Sanborn, Frank Leslie	Belgrade Lakes	J. B. H.
Scott, Arthur Burton	Gardiner	J. B. H.
Simmons, Mabel Ruth	North Stoughton, Mass.	36 Frye St.
Small, Clarice Augusta	Ridlonville	36 Frye St.
Small, Frances Maud	Stonington	36 Frye St.
Sprague, George Elmer	Cliftondale, Mass.	P. H.
Staples, Richmond Everett	Warren, R. I.	J. B. H.
Stevens, Philip Litchfield	Auburn	27 Shepley St., Auburn
Thomas, George Leroy	Newport	J. B. H.
Tierney, Patrick Joseph	Biddeford	P. H.
Tierney, William Henry	Biddeford	P. H.
Tiffany, Elberton Jay	Pittsfield	P. H.
Turner, Dwight Lyman	Jefferson	R. W. H.
Wade, Robert George	Rockland, Mass.	P. H.
Walker, Carleton Leslie	Brewer	J. B. H.
Walker, Ralph Joseph	Marlboro, Mass.	P. H.
Wallingford, Marcia Edna	Alfred	94 Googin St.
Weeks, John Roland	Meredith, N. H.	J. B. H.
Wheet, Dorothy Kempton	Westbrook	W. H.
Whiting, Norine Errol	Auburn	3 Josslyn St.
Wiggin, Ernest Rankin	North Berwick	J. B. H.
Wiggin, Mary Dorothy	North Baldwin	W. H.
Wolman, Charles Kenneth	Harris Gardiner	J. B. H.
Woodward, Raeburn Oscar	Marlboro, Mass.	J. B. H.
Worthley, Mary Genn	East Machias	W. H.
Young, James	Rumford	P. H.

SPECIAL STUDENTS

NAME	RESIDENCE	ROOM
Canter, Edward Averill	Gardiner	P. H.
Davis, John	Kennebunk	J. B. H.
Fabbri, Albert Sebastian	Litchfield, Conn.	P. H.
Garofano, Michael Angello	East Saugus, Mass.	P. H.
Gosselin, Raoul Felicien	Lewiston	116 Sabattus St.
Horio, Tsuruzo	Yokohama, Japan	R. W. H.
Hoxie, Clarence Donald	Brownville	P. H.
Johnson, Ernest Benjamin	Portland	J. B. H.
Jordan, Clifford Randall	Mechanic Falls	Mechanic Falls
Kenerson, Homer Dwight	Cliftondale, Mass.	P. H.
McCann, Thomas Guthrie	Portland	P. H.
Martel, Louis Joseph	Lewiston	84 Bartlett St.
Murray, William James	Fall River, Mass.	P. H.
Pasquale, Philip Bernard	Lewiston	28 Bartlett St.
Provost, Adolphe Joseph	Auburn	59 Fourth St., Auburn
Rowe, Percy Scott	Lewiston	123 Howe St.
Sauvage, Norman John	New York, N. Y.	J. B. H.
Smith, Maurice Preston	Meredith Center, N. H.	P. H.
Stonier, James Edward	Gardiner	P. H.
Thurlow, Maurice Alvern	Gorham, N. H.	Sabattus
Tillson, Stanley Clyde	Belgrade Lakes	J. B. H.
Tsurvacas, Thomas	Manchester, N. H.	R. W. H.
Woodward, Franklin Goodhue	Marlboro, Mass.	J. B. H.

*Absent during the year.

SUMMARY

Graduates	1
Seniors	60
Juniors	109
Sophomores	158
Freshmen	143
Special Students	23
	494
Summer School	70
	564

H. H.—Hathorn Hall
R. W. H.—Roger Williams Hall
P. H.—Parker Hall
J. B. H.—John Bertram Hall
R. H.—Rand Hall
C. H.—Cheney House
M. H.—Milliken House
W. H.—Whittier House
Ch. H.—Chase Hall

SUMMER SCHOOL

An additional feature of the work at Bates in 1919 was a four weeks' summer school, July 8 to August 6. The school was designed primarily to furnish professional training for teachers-in-service, and in so doing it confined its attention to the secondary school field, laying particular stress upon the junior high school movement. Courses were offered in ten departments: Education, English, French, history, mathematics, physical education, religious education, science, Spanish, and commercial education.

The corps of instructors was comprised of fourteen specialists. Four were members of the regular College faculty, and the others came from various educational centers, including Portland, Me., Kearney, Neb., Springfield, Mass., Boston and New York City.

There was a registration of 70 students—20 men and 50 women. Of these, 60 had had experience as either junior or senior high school teachers, principals, or superintendents. Eleven were normal school graduates, 33 were college graduates with the Bachelor's degree, and three held the Master's degree. Five states other than Maine were represented. A list of the students is given below.

Plans are now being developed for the continuance and extension of the summer school, and definite information will be obtainable by March 1st. Inquiries should be addressed to The Director, Bates College Summer School, 144 Nichols Street, Lewiston, Maine.

SUMMER SCHOOL STUDENTS—1919

Adams, Edith, A.B.	New Britain, Conn.
Ashworth, Margaret	Boothbay Harbor
Bradford, Ethel A., A.B.	Auburn
Butterfield, Mrs. Blanche C., A.B.	Berlin, N. H.
Cain, Florence L.	Warren
Capen, Ruth, A.B.	Franconia, N. H.
Carroll, Winifred	Mount Desert

Chaffee, Thomas C., A.B.	Gardiner
Chapman, Veva M., A.B.	Groveland, Mass.
Cobb, Harold P., A.B.	Searsport
Conley, T. Edward	Lewiston
Cook, Mrs. Jessie W.	Chilocco, Okla.
Cornforth, Edna, A.B.	Auburn
Crooker, Homer E., A.B.	Bryant Pond
Cutler, Fannie R.	Old Town
Day, Florence A., A.B.	South Windham
Dinsmore, Alice J., A.B.	Auburn
Flanagan, Margaret	Auburn
Flanders, Mrs. Marion D.	Athens
Gallop, Mrs. Elizabeth W.	Ashland
Gerry, H. Lester, A.M.	Worcester, Mass.
Gillis, Minnie N.	Woodland
Goyette, Imelda E.	South Berwick
Greeley, Helen M.	Bar Harbor
Hanson, Janet A.	Calais
Hayford, Frederic W.	New Bedford, Mass.
Hill, Nellie F.	Saco
Irving, Bertha M.	Benton
Jellison, Arthur W.	West Sullivan
Johnson, Justin O.	Hinckley
Jordan, Ada F.	Auburn
Jordan, Cora A.	Franklin
Kimball, Ida F., A.B.	Rumford
Lane, J. Maurice	Solon
Leach, Mrs. Lucy P.	LaGrange
Lougee, D. Aileen, A.B.	Sanford
Lougee, Marguerite E., A.B.	Lewiston
Lucas, Warren S., A.B.	Exeter
Mains, Mrs. Angie M., A.B.	Mechanic Falls
Manson, Mrs. Mildred E.	North Anson
Merriam, George H., A.B.	Hinckley
Merrill, Earle D., A.B.	Machias
Merrill, Marguerite F., B.S.	Turner Centre
Miller, Mrs. Mabel D., A.B.	Norridgewock
Mitchell, Hazel A., A.B.	Auburn
Moulton, L. E., A.B.	Auburn
Nelson, Laura A., A.B.	Durham, N. H.
Norton, Roy W.	Vineyard Haven, Mass.
Olmstead, Anna E., A.M.	Walton, N. Y.
Page, Agnes F.	Lewiston
Pinkham, Florence A., A.M.	Brooklyn, N. Y.
Pratt, Laura E.	Hartland
Ring, Christina I., A.B.	Lewiston
Rollins, Carroll J.	Fort Fairfield
Runnels, Marjorie L.	Presque Isle

Sawyer, Louise F., A.B.	Torrington, Conn.
Segal, Rebecca, A.B.	Milford, Conn.
Singer, Ida J.	Lewiston
Stevens, Ada G.	Auburn
St. Onge, Marcella M.	Woodland
Thompson, Lorine A.	Harmony
Turner, H. Nathalie	Northeast Harbor
Varney, Charles E.	Gray
Warren, Harold H.	Kenduskeag
Wasgatt, Caroline G.	Voluntown, Conn.
Webber, Elmer H., B.Pd.	Mapleton
Weeks, Amy L., A.B.	New Haven, Conn.
Weymouth, Affie D., A.B.	Lewiston
Wiggin, Joseph A., A.B.	Newport, N. H.
Young, Leroy W.	North Winterport

GRADUATES OF 1919

BACHELORS OF ARTS

Adam, Albert Conrad
Aikins, Lincoln James
*Barrow, Bertill Thomas
Blaisdell, Alma Swartz
Blaisdell, Raymond Ward
Brewster, Edward Hersey
Bryant, Herman Adelbert
Campbell, Roy Jones
Canter, Benjamin Meyer
Chappell, Anne May Jordan
Christensen, Abbie Cecelia
Coates, Ralph Porter
Connor, William Joseph
Cummings, Ruth Anne
Drury, Clinton Arthur
DuBourdieu, Marion
Dunnells, Marion Clifford
Elwell, Clarence Alton
Farnham, Arloene
Fish, Freda
Graves, Dora
Hall, Mary King
Hartshorn, Gladys Emily
Haskell, Ada Louise
Haskell, Dorothy Clement
Hayes, Eleanor Howland
Hodgdon, Leonora Franke
Hodgdon, Mary Hobbs
Holmes, Cecil Thomas
Holmes, Fred
Holmes, Gladys Elizabeth
Hutchins, Hazel Emma
Jones, Sarah Evelyn
Jordan, Margaret Bradford
Kierstead, Edith Sophia
Lawrence, William Fuller
Lawson, Evangeline Baldwin
Lewis, Marion Frances
Marston, Barbara Hall
Millay, Ida Caroline
Milliken, Vera Louise
Newcomer, Mary Louise
O'Donnell, Eugene Edward
Packard, Charles Earl
Paul, Lila Helena
Peacock, Elsie Arlene
Place, Carrie Myrtle
Powers, John Howard
Purinton, Edwin Moore
Quackenbush, Dyke Lewis
Reed, Sara Willard
Severance, Ruth May
Shapleigh, Doris Millicent
Sherer, Eva Louise
Skelton, Gladys Winifred
Smith, Blanche Marinda
Stetson, Gladys
Stevens, Vida Edwina
Stoehr, Theresa
Stone, Frank Goodwin
Tarbell, Carolyn Elizabeth
Tash, Lillian Harriet
Thompson, Amy Adwyna
Tracy, Helen Cecelia
Tseo, Carl Chang-Tze
Varney, Evelyn Mildred
Weeks, Lina Cordelia
Wells, Irene Ruth
Williamson, Mary Phillips
Wolfe, Izetta Rae
Woodbury, Lillian Catherina
Wright, Ernestine Barker

BACHELORS OF SCIENCE

Adams, Edwin Wentworth
Alkazin, David Yoseph
Boober, Raleigh Barton
Boutelle, Horace Reginald
Davidson, William Joseph
Fujimoto, Tadashi

Gould, Clarence Nelson
Gould, Stephen Philip
Gregory, Charles Alfred
Hopkins, Donald Wheeler
Maxim, Horace Charles
Mayoh, Charles Percy
Moulton, Edward Bailey
Neville, John Thomas
Peterson, Edwin Thomas
Ryerson, Stanley Moulton
Sampson, Verdal Manley
Sawyers, William Archibald
Schafer, Reginald Mann
*Small, Maurice Lee
Snowe, Aubrey Emmons
Southey, Charles Lloyd
Stillman, Harold Lewis
Sullivan, James Herbert
Swasey, Sanford Lewis
Talbot, Philip John
Thibadeau, Charles Raymond

*Diplomas withheld until certain deficiencies are removed.

HONORARY DEGREES

DOCTOR OF LAWS

MARK LESLIE HERSEY, '84

DOCTOR OF DIVINITY

REV. WILLIAM R. WOOD

MASTER OF ARTS, *honoris causa*

HARRY MANSER

COMMENCEMENT HONORS

IN LANGUAGE AND LITERATURE

Abbie Cecelia Christensen
*Dorothy Clement Haskell
*Cecil Thomas Holmes
Fred Holmes
Carrie Myrtle Place
Harold Lewis Stillman
Lillian Catherina Woodbury

IN PHILOSOPHY

Lincoln James Aikins
Edward Hersey Brewster
**Marion Frances Lewis
Vera Louise Milliken
Lina Cordelia Weeks

IN SCIENCE

Edwin Wentworth Adams
Roy Jones Campbell
Marion Clifford Dunnells
Tadashi Fujimoto
Margaret Bradford Jordan
Edward Bailey Moulton
Stanley Moulton Ryerson
Carolyn Elizabeth Tarbell

*Additional Honor in Science.
**Additional Honor in Language.

MEMBERSHIP IN DELTA SIGMA RHO

Edward Hersey Brewster, 1919
Arthur Fletcher Lucas, 1920
Charles Millard Starbird, 1921

MEMBERSHIP IN PHI BETA KAPPA

1919

Edwin Wentworth Adams
Edward Hersey Brewster
Abbie Cecelia Christensen
Dorothy Clement Haskell
Cecil Thomas Holmes
Marion Frances Lewis
Edward Bailey Moulton
Charles Earl Packard
Carrie Myrtle Place
Lina Cordelia Weeks

ALUMNI ASSOCIATIONS

THE ALUMNI ASSOCIATION OF BATES COLLEGE

President, ALBERT F. GILMORE, '92, 52 Vanderbilt Ave., New York City.

First Vice-President, SCOTT WILSON, '92, 76 Beacon St., Woodfords, Me.

Second Vice-President, MISS MARION S. COAN, '99, 158 W. 81st St., New York.

Third Vice-President, OLIVER F. CUTTS, '96, 240 Susquehanna Ave., Philadelphia, Pa.

Secretary-Treasurer, JOHN L. READE, '83, Lewiston, Me.

Executive Committee, G. HOBART LIBBY, '89, R. F. D., Auburn, Me.; MISS ANNA F. WALSH, '07, 8 Wood St., Lewiston, Me.; FRED H. LANCASTER, ESQ., '09, 36 Vernon St., Auburn, Me.

Trustees of Alumni Loyalty Fund, ERNEST F. CLASON, '02, Lisbon Falls, Me.; MRS. ETHEL CUMMINGS PIERCE, '94, 24 Frye St., Lewiston, Me.; HAROLD A. ALLAN, '06, State House, Augusta, Me.; ALBERT F. GILMORE, '92, *ex officio;* HARRY W. ROWE, '12, 350 College St., Lewiston, Maine, *Secretary-Treasurer.*

ALUMNÆ CLUB

President, MISS EDNA CORNFORTH, '03, Auburn, Me.

Vice-Presidents, MRS. BLANCHE W. ROBERTS, '99, Lewiston, Me.; MRS. ALMA BAILEY MOULTON, '93, Auburn, Me.

Secretary, MRS. ALETHA ROLLINS HARMS, '13, 8 Abbott St., Lewiston, Me.

Treasurer, MRS. GLADYS SPEAR CHILDS, '06, Lewiston, Me.

Executive Committee: Chairman, MRS. LILLA BODGE WILSON, '91, Portland, Me.

Social Committee: Chairman, MRS. ELLA MILLER CHASE, '00, Lewiston, Me.

Presidents of Branch Clubs

Portland: MRS. BESSIE BRAY STEVENS, '04, 48 Highland St., Portland, Me.

Boston: MISS ELIZABETH W. GERRISH, '94, The Warren, Roxbury, Mass.

Providence: MRS. FRANCES MILLER RUSSELL, '03, 97 University Ave., Providence, R. I.

Worcester: Mrs. Mary Angell Lincoln, '90, 22 Deane St., Worcester, Mass.

New York City: Miss Caroline W. Chase, '07, 105 East 22nd St., New York City.

Washington: Mrs. Mary Brackett Robertson, '90, 6 West Melrose St., Chevy Chase, Md.

Central West: Miss Grace Patten Conant, '93, Decatur, Illinois.

Far West: Mrs. Bessie Russell Foster, '04, Reed College, Portland, Ore.

BOSTON ASSOCIATION

President, Daniel J. Mahony, M.D., '06, Roxbury, Mass.

**Vice-President*, Lewis M. Palmer, M.D., '75, Aushburnham, Mass.

Secretary, Miles Greenwood, '91, Melrose, Mass.

Executive Committee, John E. Peakes, '11, 161 Devonshire St., Boston, Mass.; Miss Edith S. Blake, '99, 52 Rowe St., Melrose, Mass.; Orel M. Bean, '10, 4 Sherman Place, Woburn, Mass.; Royal B. Parker, '14, 8 Irvington St., Boston, Mass.; Mrs. Alice King Merrill, '16, High School, Danvers, Mass.

*Deceased.

THE BATES CLUB OF BOSTON

President, Daniel J. Mahony, M.D., '06, Roxbury, Mass.

Secretary-Treasurer, Miles Greenwood, '91, Melrose, Mass.

NEW YORK ASSOCIATION

President, Albert F. Gilmore, '92, 52 Vanderbilt Ave., New York City.

Secretary, Miss Marion S. Coan, '99, 158 W. 81st St., New York City.

Treasurer, George W. Thomas, Esq., '96, 100 Broadway, New York City.

CHENEY CLUB

(New Hampshire Alumni Association)

President, Charles W. Cutts, '88, Derry, N. H.

Vice-President,

Secretary-Treasurer, Miss Mary W. Cross, '96, 10 Webster St., Franklin, N. H.

STANTON CLUB

(Maine Alumni Association)

President, ALTON C. WHEELER, ESQ., '99, South Paris, Me.
Vice-President, OLIVER B. CLASON, '77, Gardiner, Me.
Secretary-Treasurer, HARRY W. ROWE, '12, Lewiston, Me.
Executive Committee, GEORGE M. CHASE, '93, Lewiston; LENA M. NILES, '10, Lewiston; HAZEL A. MITCHELL, '16, Auburn; FRED H. LANCASTER, '09, Auburn; MRS. LOUIS B. COSTELLO, '98, Lewiston; IVAN E. LANG, '02, Augusta; MRS. MABEL FURBUSH CALL, '99, Lewiston.

CONNECTICUT VALLEY ASSOCIATION

President, REV. ROSCOE NELSON, '87, Windsor, Conn.
Vice-President,
Secretary-Treasurer, J. LAWRENCE MEADER, '15, Capitol Building, Hartford, Conn.

RHODE ISLAND ASSOCIATION

President, LEROY G. STAPLES, '00, Warren, R. I.
First Vice-President, ALBERT H. MILLER, M.D., '94, Providence, R. I.
Second Vice-President, W. B. CUTTS, M.D., '91, 370 Broad St., Providence, R. I.
Secretary,
Treasurer, HORACE F. TURNER, '11, Danielson, Conn., 258 Main St.

MINNESOTA ASSOCIATION

Committee on Permanent Organization: EDWIN A. MERRILL, '86, Minneapolis, Minn.; GEORGE H. WYMAN, '77, Anoka; MRS. LILLIAN L. BASS, '02, Minneapolis.

AROOSTOOK COUNTY ASSOCIATION

President,
Vice-President, MRS. ISADORE H. STEVENS, '10, Presque Isle, Me.
Secretary-Treasurer, BESSIE C. H. COOPER, '04, Box 108, Presque Isle.

OCEAN PARK ASSOCIATION

President, LYMAN G. JORDAN, '70, Lewiston, Me.

Secretary-Treasurer, MRS. ELLEN S. HALL, '90, Old Orchard, Me.

Chairman Executive Committee, WILLIAM E. C. RICH, '70, Ocean Park, Me.; MRS. ELLEN PACKARD, '08, Perkins Institute, Watertown, Mass.; MRS. GERTRUDE LIBBEY ANTHONY, Hartsdale, N. Y.

WORCESTER ASSOCIATION

President, NELLIE S. NUTTING, '10, Crescent St., W. Boylston, Mass.

Vice-President, W. ROSCOE FLETCHER, '95, 437 Massasoit Rd., Worcester.

Secretary-Treasurer, MRS. MARY ANGELL LINCOLN, '90, 22 Deane St., Worcester, Mass.

OXFORD COUNTY ASSOCIATION

President, GEORGE A. HUTCHINS, '99, Rumford, Me.

Secretary-Treasurer, SHIRLEY J. RAWSON, '14, Ridlonville, Me.

THE BATES KENNEBEC CLUB

President, ALBERT M. SPEAR, '75, Gardiner, Me.

Vice-President, ERNEST L. MCLEAN, '02, Augusta, Me.

Secretary, REV. E. J. HATCH, '94, Augusta, Me.

DELTA SIGMA RHO—BATES CHAPTER

President, GORDON L. CAVE, '13, Berlin, N. H.

Vice-President, PROF. J. MURRAY CARROLL, '09, Lewiston, Me.

Secretary-Treasurer-Editor, HARRY W. ROWE, '12, Lewiston, Me.

Executive Committee, THE OFFICERS; EDWARD H. BREWSTER, '19, Auburn, Me.; PROF. ALBERT C. BAIRD, Lewiston,

PHI BETA KAPPA—GAMMA OF MAINE

President, PROF. LYMAN G. JORDAN, '70, Lewiston, Me.

Vice-President, PROF. WILLIAM H. HARTSHORN, '86, Lewiston, Me.

Secretary-Treasurer, PROF. ARTHUR N. LEONARD, Brown, '92, Lewiston, Me.

INDEX

	PAGE
Absence from Recitations	93
Admission Groups	31-32
Admission, Terms of	16-37
Advisers	94
Alumni Associations	154-157
Annuity Bond, Form of	121
Astronomy, Courses in	39
Athletic Associations	111
Athletic Field	109
Bacteriology, Courses in	69
Bates Bulletin	116
Bates Student	116
Bequest, Form of	121
Biblical Literature and Religion, Courses in	39-44
Bills	96
Biology, Courses in	41-43
Botany, Courses in	42
Buildings	98-109
Cabinets, Botanical	100
Ornithological	101
Calendars	2-4
Carnegie Foundation	119
Carnegie Science Hall	99-102
Cercle Francais	111
Chapel	98
Chase Hall	107
Chemistry, Courses in	44-47
Laboratory	99
Cheney House	104
Christian Associations	113-115
Christian Ethics, Courses in	73
College, Character of	6
Foundation	5
Needs of	120
Reasons for Aiding	119
Resources of	117
Services of	118
Magazine	116
College Publications	116
Commencement Honors	152-153
Committees, Corporation	10-11
Faculty	15-16
Coram Library	102-103
Corporation	8
Courses of Instruction	38-82
Debates, Intercollegiate	133
Prizes for	134
Sophomore	52
Degrees	89
Degrees, Requirements for	89-91
Delta Sigma Rho	112, 152, 157
Dormitories	
Cheney House	104
Frye Street House	106
John Bertram Hall	105
Milliken House	106
Parker Hall	104

PAGE

Rand Hall 106
Roger Williams Hall 105
Whittier House 106
Economics, Courses in 47-49
Editors of Bates Student 134
Education, Courses in 49-52
Electrical Engineering, Courses in 76
Employment Bureau 15
English, Courses in 52-55
Ethics, Courses in 73, 75
Examinations 33, 37, 94
Excuses 93
Expenses 95-96
Faculty 11-13
Faculty, Committees of 14-15
Fellows, Board of 8
Fine Arts, Courses in 55
Forestry, Courses in 55-58
Foundation of College 5
French, Courses in 58-60
Frye Street House 106
Geology, Courses in 61
George Colby Chase Lecture Fund 116-117
German, Courses in 61-64
Government, Courses in 68
Graduates of 1919 150-151
Greek, Courses in 64-66
Group Arrangement of Studies 90
Gymnasiums 108
Halls, Chase 107
Hathorn 98
Parker 104
Roger Williams 105

PAGE

John Bertram 105
Rand 106
Health of Students 94
Heating Plant 108
Hebrew, Courses in 40
Hedge Laboratory 99
History, Courses in 66-68
History of Religions, Courses in 40
Honors 91
Honors, Commencement 152
Household Economics, Courses in 68-70
Hygiene, Courses in 79-82
John Bertram Hall 105
Jordan Scientific Society 110
Laboratory Fees 96
Latin, Courses in 70-71
Lectures and Addresses 116
Libbey Forum 103-104
Library, Coram 102-103
Literary Societies 110
Macfarlane Club 111
Magazine, Bates Student 116
Majors and Minors 91
Mathematics, Courses in 71-73
Mechanical Drawing, Courses in 77
Milliken House 106
Musical Clubs 111
Needs of the College 120
Oculists 80
Outdoor Running Track 109
Outline of Studies 83-88
Overseers, Board of 9-10
Parker Hall 104

	PAGE
Phi Beta Kappa	112, 153, 157
Phil-Hellenic Club	110
Philosophy, Courses in	73-75
Physical Training, Courses in	79-84
Physics, Courses in	75-77
Physiology, Courses in	79-84
Politics Club	110
President's House	108
Prizes	133-134
Psychology, Courses in	74
Public Service of Bates	118
Public Speaking, Courses in	77-79
Ramsdell Scientific Society	111
Rand Hall	106
Rank Bills	94
Registration	93
Religions, Courses in History of	40
Religious Education, Courses in	41
Religious Life	112
Requirements for Degrees	89-91
Resources	117
Roger Williams Hall	105
Running Track	109
Scholarships	123-130
Scientific Societies	110
Sociology, Courses in	49
Spanish, Courses in	79
Spofford Literary Club	110
Student Advisers	94
Students	135-146
Studies, Outline of	83-88
Summer School	147-149
Tennis Courts	109
Trustees	8-10
Tuition	95-96
University Extension	117
Whittier House	106
Zoology, Courses in	43-44

21 UNIVERSITY OF ILLINOIS LIBRARY

1921

BATES COLLEGE

BULLETIN

ANNUAL CATALOGUE

1920—1921

Eighteenth Series Number 2 February 15, 1921

Lewiston, Maine

The Bulletin of Bates College is published by the College four times a year. Entered at the Post Office at Lewiston, Maine, as second-class mail matter, under the provisions of the Act of July 16, 1894.

DIRECTIONS FOR CORRESPONDENCE

All correspondence relating to the general interests of the College should be addressed to the President.

Requests for the annual catalogue and other publications, and for information concerning credits, should be addressed to the Registrar.

Correspondence concerning the admission of young men should be addressed to the President.

Correspondence concerning the admission of young women should be addressed to the Dean of Women.

Correspondence concerning tuition and other expenses should be addressed to the Bursar.

Correspondence concerning alumni should be addressed to the Alumni Secretary.

BATES COLLEGE

LEWISTON, MAINE

1920-1921

1920

JULY

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

AUGUST

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

SEPTEMBER

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

OCTOBER

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

NOVEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..	..	..	..	..	..	..

DECEMBER

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

1921

JANUARY

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

FEBRUARY

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	..	..	..	..	..
..	..	..	..	..	..	..

MARCH

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

APRIL

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

MAY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

JUNE

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

JULY

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

AUGUST

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

SEPTEMBER

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..	..	..	..	..	..	..

OCTOBER

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

NOVEMBER

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..	..	..	..	..	..	..

DECEMBER

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

1922

JANUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

FEBRUARY

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	..	..	..	..
..	..	..	..	..	..	..

MARCH

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

APRIL

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

MAY

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

JUNE

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..	..	..	..	..	..	..

CALENDAR

1920

Sept. 21-22 Examinations for Admission to College
Tuesday and Wednesday, 8.00 A.M., 1.30 P.M.

Sept 23 First Semester began 8.40 A.M. Prayers. Registration Thursday

Nov. 1-12 Sophomore Preliminary Public Speaking
1.30 P.M.

Nov. 13 Prize Division 2.00 P.M.

Nov. 12-15 Tuition due

Thanksgiving Recess from 12 M., November 24 to 1.30 P.M., November 29.

Christmas Recess from 4.30 P.M., December 22, to 7.40 A.M., January 6, 1921.

1921

Jan. 27 Day of Prayer for Colleges Thursday

Feb. 9-16 Midyear Examinations

Feb. 17 Second Semester begins: 7.40 A.M.

Feb. 22 Washington's Birthday Tuesday

Feb. 21-Mar. 4 Freshman Preliminary Public Speaking
1.30 P.M.

Mar. 5 Prize Division 2.00 P.M.

Mar. 10 Senior Prize Speaking Thursday, 7.45 P.M.

Mar. 12-15 Tuition due

Easter Recess from 4.30 P.M., March 23, to 7.40 A.M., April 7

Apr. 22 Sophomore Debates 2.00 P.M.

May 30 Memorial Day Monday

June 6 Examinations at Preparatory Schools

June 15 Junior Prize Speaking Wednesday, 7.45 P.M.

June 16 Last Chapel Thursday

June 16 Ivy Day Exercises Thursday

June 17-24 Final Examinations

June 26 Baccalaureate Exercises Sunday, 3.30 P.M.

June 27 Joint Meeting of Delta Sigma Rho and Phi Beta Kappa Monday, 2.30 P.M.

June 27 Annual Meeting of Delta Sigma Rho
Monday, 4.00 P.M.

June 27 Annual Meeting of Phi Beta Kappa
Monday, 4.00 P.M.

June 27 Alumni Night Monday, 8.00 P.M.
June 28 Annual Meeting of the Corporation
Tuesday, 9.00 A.M.
June 28 Class Day Exercises Tuesday, 2.30 P.M.
June 28 Illumination of College Campus
Tuesday, 7.45 P.M.
June 29 Commencement Wednesday, 10.00 A.M.
June 29 The Commencement Dinner
Wednesday, 1.00 P.M.
June 29 President's Reception to the Graduates
Wednesday, 8.00 P.M.
Sept. 20-21 Examinations for Admission to College
Tuesday and Wednesday, 8.00 A.M., 1.30 P.M.
Sept. 21 Registration of Freshmen Wednesday, 9.00 A.M.
Sept. 22 First Semester begins: 8.40 A.M. Thursday
Oct. 31-Nov. 11 Sophomore Preliminary Public Speaking
1.30 P.M.
Nov. 12 Prize Division 2.00 P.M.
Nov. 12-15 Tuition due
Thanksgiving Recess from 12 M., November 23 to 1.30 P.M., November 28.
Dec. 21 Christmas Recess begins

Office Hours

The President, Roger Williams Hall, 9.00 A.M.-10.00 A.M., daily; 2.30 P.M.-3.30 P.M., except Saturdays.

Dean of Women, Roger Williams Hall, 10.05 A.M.-12.00 M., daily; 2.30 P.M.-3.30 P.M., except Saturdays.

The Bursar, Roger Williams Hall, 9.00 A.M.-4.00 P.M.

The Registrar, Roger Williams Hall, 9.00 A.M. 12.00 M., daily; 1.30 P.M.-4.30 P.M., except Saturdays.

The Y. M. C. A. Secretary, Chase Hall, 9.00 A.M.-12.00 M., daily; 1.30 P.M.-4.30 P.M., except Saturdays.

Secretary to the President, Roger Williams Hall, 9.00 A.M.-12 M., daily; 1.30 P.M.-4.30 P.M., except Saturdays.

GENERAL INFORMATION

FOUNDATION

Bates College grew out of the Maine State Seminary, chartered in 1855. In 1862 sixteen young men in this school petitioned the Trustees to provide facilities for collegiate instruction. In the fall of 1863 the first Freshman class was admitted, and in the winter of 1864 a new charter was secured, and Maine State Seminary became Bates College. The name Bates College was given by the Trustees in grateful acknowledgment of the generosity of Mr. Benjamin E. Bates of Boston, Mass., one of the founders of the city of Lewiston. Mr. Bates had taken a warm interest in the Seminary, and it was his encouragement, with a subscription in 1863 of $25,000, that led to its development into the College. To this sum he subsequently added $75,000. Mr. Bates died in 1877.

Lewiston, in which the College is situated, is the second city in population in Maine, having thirty-three thousand inhabitants. It is on the east bank of the Androscoggin, thirty-five miles northeast of Portland. It is connected by four bridges with Auburn, a city with sixteen thousand inhabitants, on the opposite bank of the river. The two cities are among the most enterprising and progressive in the East. Many of their public buildings are exceptionally beautiful and substantial. Their excellent public schools are constantly bringing to the two cities from all parts of Maine, and even from adjoining states, parents eager to secure a good education for their children. The Jordan High School, of Lewiston, and the Edward Little High School, of Auburn, rank among the best preparatory schools in New England. The pulpits of Lewiston and Auburn are occupied by able and scholarly men, and residents of few towns have better facilities for hearing the representative lecturers and orators of our country. The two cities are remarkably healthful, are situated amid some of the most beautiful scenery of the Androscoggin valley, and combine in a rare degree the educational influences afforded by the presence of business energy, of scholarly leisure, and of attractive environments. They are a little more than four hours distant from Boston, and are accessible from all directions by means of

four railways—the Grand Trunk, the Portland and Rumford Falls, and two lines of the Maine Central. These, with numerous electric roads, make the College easily accessible from every direction. The College grounds consist of sixty acres in the suburbs of Lewiston. They have great natural beauty and command fine views of the surrounding country. From the summit of Mount David, given by the late Mrs. Archibald Wakefield and the late Mrs. John M. Frye, as the site for an astronomical observatory, the White Mountains, more than fifty miles away, are distinctly visible. Through the generosity of Mrs. Wakefield, three and one-half acres were added in September, 1912, to this earlier gift and nearly all of Mount David is now owned by the College—giving to the campus a distinctive charm that arrests the attention of every visitor.

CHARACTER OF THE COLLEGE

The College is unsectarian in its organization, aims and methods, but it is unequivocally Christian. Breadth and thoroughness are sought, not only in literary and scientific attainments, but in moral and spiritual culture. What are called the vices of student life are practically unknown at Bates. No student can be a member of the College without taking and keeping a pledge to abstain from alcoholic drinks, and no student may receive beneficiary aid without abstaining from all use of tobacco. Hazing has always been regarded as indefensible and, through the united influence of students and faculty has at length, it is believed, been entirely outgrown and discarded. A large percentage of the students are actively religious, and among them are represented nearly all the religious denominations of New England. It has been the constant aim of the College to encourage and aid students of limited means and to exclude such habits and customs as lead to extravagant and unnecessary expenditures. Planted in a thrifty and frugal community, Bates is for a wide area the natural college home of students of limited means. The community, with its numerous industries, offers unusual opportunities for work; and college spirit and tradition make labor honorable. The Faculty of Bates find one of their highest pleasures in helping young men and women to solve the problem of ways and means. An employment Bureau composed of members of the Faculty is able practically to assure remunera-

tive work to students able and willing to engage in self-help. Every year Bates students are engaged in more than sixty different kinds of employment. During 1917-1918 students earned nearly $40,000. There are one hundred and twelve scholarships. One hundred and eight of these, of $1,000 each, pay fifty dollars per year, each, to as many deserving young men and young women. The other four are the Coe Scholarship of $3,000, the Dana Estes Scholarship of $2,500, the John Bartlett Kezar Scholarship of $2,000, and the Fitz Scholarship of $1,500. Students preparing for the Christian ministry or for other kinds of public Christian service may receive aid from the Edgecomb Fund. Students of ample, of moderate, and of limited means live and work together in absolute social equality. From its organization in 1863, the College has received young women on the same terms with young men, thus beginning on the Atlantic sea-board the movement for the higher education of women.

The government of the College is vested in two co-ordinate boards: President and Fellows, and Overseers. Under the Charter of the College, the Board of Overseers must consist of five classes, each of them holding office for five years. Each class numbers five members, two of the five having been nominated from the Alumni. At the present time eleven of the fourteen Fellows and twenty of the twenty-five Overseers are Alumni. The graduates of Bates number 2,452. The Bates Semi-Centennial was celebrated June 21-24, 1914.

CORPORATION

BOARD OF PRESIDENT AND FELLOWS

CLIFTON DAGGETT GRAY, A.M., PH.D.,	Lewiston
PRESIDENT	
LINDLEY M. WEBB, A.B., ESQ.,	Portland
HON. CHARLES A. MILLIKEN,	Augusta
REV. FRITZ W. BALDWIN, D.D.,	Acworth, N. H.
JOSEPH A. CORAM,	Boston, Mass.
HON. WILBUR H. JUDKINS, A.B., ESQ.,	Lewiston
REV. ASHMUN T. SALLEY, A.B., D.D.,	Lewiston
HON. ALBERT M. SPEAR, A.B., LL.D.,	Gardiner
WHITEFIELD N. THOMPSON, A.B., M.D.,	Hartford, Conn.
HON. OLIVER B. CLASON, A.B.,	Gardiner
WILLIAM F. GARCELON, A.B., ESQ.,	Boston, Mass.
HON. CARL E. MILLIKEN, A.B., LL.D.,	Augusta
ARTHUR S. LITTLEFIELD, A.M., LL.B.,	Rockland
HON. HENRY W. OAKES, A.B., A.M.,	Auburn
ALFRED WILLIAMS ANTHONY, A.M., D.D.,	New York

GEORGE W. LANE, JR.,	Lewiston
SECRETARY	

BOARD OF OVERSEERS

ALBERT F. GILMORE, A.B.,
PRESIDENT
LOUIS B. COSTELLO, A.B.,
SECRETARY

Term Expires in 1921

HON. CHARLES S. COOK, A.B.,	Portland
LOUIS B. COSTELLO, A.B.,	Lewiston
MRS. ELIZABETH BODGE WILSON, A.B.,	Portland
REV. FREDERICK E. EMRICH, A.B., D.D.,	Boston, Mass.
SCOTT WILSON, A.B., Esq.,	Portland

Term Expires in 1922

WILLIAM E. C. RICH, A.B., A.M.,	Ocean Park
REV. ALBERT W. JEFFERSON, D.D.,	Lawrence, Mass.
JOHN L. READE, A.B., Esq.,	Lewiston
WILLIAM B. KENDALL,	Bowdoinham
WALTER U. GUTMANN,	Lewiston

Term Expires in 1923

ALBERT F. GILMORE, A.B.,	New York, N. Y.
FRANK H. BRIGGS, A.B.,	Auburn
MRS. MARY BRACKETT ROBERTSON, A.B.,	Washington, D. C.
HON. WILLIAM B. SKELTON, A.B., Esq.,	Lewiston
OREN CHENEY BOOTHBY, A.B., Es-.,	Boston, Mass.

Term Expires in 1924

RICHARD B. STANLEY, A.B., Esq.,	Boston, Mass.
REV. THOMAS H. STACY, A.B., D.D.,	Concord, N. H.
WILLIS A. TRAFTON,	Auburn
ERNEST F. CLASON, A.B.,	Lisbon Falls
HAROLD A. ALLAN, A.B.,	Augusta

Term Expires in 1925

REV. ARTHUR GIVEN, A.B., D.D.,	Clermont, Fla.
HERVEY S. COWELL, A.M., Pd.D.,	Ashburnham, Mass.
JAMES E. COBURN,	Lewiston
ALTON C. WHEELER, A.B.,	South Paris
ELWIN K. JORDAN, A.B.,	Alfred

COMMITTEES OF THE BOARDS

EXECUTIVE:

C. D. Gray, W. H. Judkins, A. T. Salley, H. W. Oakes, L. B. Costello, W. B. Skelton, J. E. Coburn.

FINANCE AND OVERSIGHT:

H. W. Oakes, L. B. Costello, W. A. Trafton.

COMMITTEES FOR THE BOARDS

PRUDENTIAL:

H. W. Rowe, George W. Lane, Jr., G. E. Ramsdell.

VISITING:

Rev. Arba J. Marsh, A.B., D.D., Rev. D. N. Beach, A.B., D.D., W. E. Pulsifer, A.M., W. H. H. Bryant, A.M.

VACANCIES IN THE CORPS OF INSTRUCTION:

C. D. Gray, A. T. Salley, W. H. Judkins.

EXAMINING:

Hon. A. O. Thomas, Ph.D., Superintendent of the Public Schools of Maine, Rev. H. P. Woodin, A.B., D.D., W. L. Powers, A.B., Pd.D., A. C. Yeaton, A.B.

LIBRARY:

W. H. Hartshorn, L. G. Jordan, W. H. Judkins, Blanche W. Roberts.

COLLEGE COMMONS:

R. R. N. Gould, H. W. Rowe, K. S. Woodcock.

CHASE HALL ADMINISTRATION:

H. W. Oakes, L. B. Costello, F. E. Pomeroy, S. F. Harms, H. W. Rowe.

AUDITORS:

Charles F. Goss, George J. Wallingford.

TREASURER:

George W. Lane, Jr.

BURSAR:

Harry W. Rowe.

OFFICERS AND INSTRUCTORS

CLIFTON DAGGETT GRAY, A.M., PH.D., 256 College St.
President

WILLIAM HENRY HARTSHORN, A.M., LITT.D., 336 College St.
Professor of English Literature

LYMAN GRANVILLE JORDAN, A.M., PH.D., 16 Frye St.
Stanley Professor of Chemistry
Endowed in memory of the late Professor Richard C. Stanley

HERBERT RONELLE PURINTON, A.M., D.D., 36 Mountain Ave.
Fullonton Professor of Biblical Literature and Religion
Endowed in memory of the late Professor John Fullonton

GROSVENOR MAY ROBINSON, A.M., 22 Wakefield St.
Professor of Public Speaking

ARTHUR NEWTON LEONARD, A.M., PH.D., 12 Abbott St.
Professor of German

FRED AUSTIN KNAPP, A.M., 32 Mountain Ave.
Professor of Latin

FRED ELMER POMEROY, A.M., 342 College St.
Professor of Biology

HALBERT HAINS BRITAN, A.M., PH.D.,
Cobb Professor of Philosophy 17 Mountain Ave.
Endowed in memory of the late Hon. J. L. H. Cobb

GEORGE MILLET CHASE, A.M., 20 Frye St.
Belcher Professor of Greek
Endowed by Mrs. Sarah Belcher

WILLIAM RISBY WHITEHORNE, A.M., PH.D.,
Professor of Physics 55 Cottage St.

GEORGE EDWIN RAMSDELL, A.M., 40 Mountain Ave.
Professor of Mathematics

FRANK DEAN TUBBS, A.M., S.T.D., 129 Wood St.
Professor of Geology and Astronomy

CLARA LUCENA BUSWELL, A.B., 452 Main St.
Dean of Women and Instructor in Rhetoric

R. R. N. GOULD, A.M., 35 Ware St.
Knowlton Professor of History and Government,
Endowed in memory of the late Rev. Ebenezer Knowlton
Registrar-Treasurer of the Summer School

ARTHUR FREDERICK HERTELL, A.M., 384 Main St.
Professor of French

ALBERT CRAIG BAIRD, A.M., B.D., 173 Wood St.
Professor of English and Argumentation

JOHN MURRAY CARROLL, A.M., 71 Wellman St.
Professor of Economics

SAMUEL FREDERICK HARMS, A.M., 8 Abbott St.
Assistant Professor of German and Spanish

ROBERT A. F. McDONALD, A.M., PH.D.,
Professor of Education, 144 Nichols St.
Director of the Summer School

CARL HERRING SMITH, B.S., LL.B., 148 Nichols St.
Director of Physical Education and Instructor in Physiology

BERNARD EMERSON LEETE, A.B., M.F., 368 College St.
Assistant Professor of Forestry

WILLIAM HAYES SAWYER, JR., A.M., 6 Frye St.
Instructor in Biology

*SYDNEY BARLOW BROWN, A.M.,
Instructor in French

CHARLES HENRY HIGGINS, A.M., 43 Winter St., Auburn
Instructor in Chemistry

LENA MABEL NILES, A.B., Frye Street House
Director of Hygiene for the Women

SARAH KELLEY NICKERSON, Rand Hall
Instructor in Household Economy

KARL STANLEY WOODCOCK, B.S., 138 Nichols St.
Instructor in Physics

CECIL THOMAS HOLMES, A.B., 138 Nichols St.
Instructor in Rhetoric

JOHN OLIVER JOHNSTONE, B.S., 559 Main St.
Instructor in French and Assistant Director of Physical Education

*On leave of absence.

HARRY WILLISON ROWE, A.B., 350 College St.
Bursar and Alumni Secretary

LEWIS LODER GILBERT, JR., A.B., Chase Hall
Secretary Young Men's Christian Association

JULIA SARGENT DAVIES, Milliken House
Assistant Director of Hygiene for the Women

BLANCHE WHITTUM ROBERTS, A.B., 128 Wood St.
Librarian

MABEL EMERY MARR, A.B., 205 College St.
Assistant in the Library

MABEL EATON, A.B., 21 Oakland St., Auburn
Assistant in the Library

LYMAN GRANVILLE JORDAN, A.M., PH.D., 16 Frye St.
Secretary

GEORGE MILLET CHASE, A.M., 20 Frye St.
Assistant Secretary

NOLA HOUDLETTE, A.B., Whittier House
Registrar

ELIZABETH DYER CHASE, A.B., 20 Frye St.
Secretary to the President

BELLE JOSEPHINE SHAFNER, Rand Hall
Matron

EDWIN LINCOLN GOSS, 94 Nichols St.
Chorister

COMMITTEES OF THE FACULTY

DEGREES:

C. D. Gray, W. H. Hartshorn, L. G. Jordan, H. R. Purinton.

ATHLETICS:

F. E. Pomeroy, G. E. Ramsdell, C. H. Smith.

ADMISSIONS:

F. A. Knapp, G. E. Ramsdell, Clara L. Buswell.

REGISTRATION:

G. M. Chase, J. M. Carroll, S. F. Harms, Nola Houdlette, W. H. Sawyer.

CURRICULUM:

C. D. Gray, W. H. Hartshorn, L. G. Jordan, A. N. Leonard, F. A. Knapp, R. R. N. Gould.

PUBLICATIONS:

A. N. Leonard, H. H. Britan, A. C. Baird, C. T. Holmes.

STUDENT ORGANIZATIONS:

F. D. Tubbs, Clara L. Buswell, R. R. N. Gould.

STUDENT EMPLOYMENT:

H. W. Rowe, L. L. Gilbert, G. M. Robinson, Belle J. Shafner, C. H. Smith, Sarah K. Nickerson.

APPOINTMENTS FOR GRADUATES:

R. A. F. McDonald, H. H. Britan, Clara L. Buswell.

SCHOLARSHIPS:

C. D. Gray, F. A. Knapp, H. R. Purinton, Clara L. Buswell, H. W. Rowe.

STUDENT LOAN FUNDS:

C. D. Gray, G. M. Chase.

SOCIAL FUNCTIONS:

G. M. Robinson, L. L. Gilbert, Clara L. Buswell, Lena M. Niles, Belle J. Shafner, Julia S. Davies.

MUSIC:

A. F. Hertell, G. M. Robinson, H. H. Britan, W. R. Whitehorne.

ALUMNI:

H. W. Rowe, L. G. Jordan, G. M. Chase, F. E. Pomeroy, W. H. Sawyer, C. H. Higgins, Blanche W. Roberts, Lena M. Niles, K. S. Woodcock.

RELIGIOUS INTERESTS:

H. R. Purinton, G. M. Chase, F. A. Knapp, H. W. Rowe, A. N. Leonard, Clara L. Buswell.

DEBATING:

A. C. Baird, G. M. Chase, J. M. Carroll.

PUBLICITY:

A. C. Baird, R. A. F. McDonald, Nola Houdlette, B. E. Leete.

COLLEGE WOMEN:

Clara L. Buswell, F. A. Knapp, F. E. Pomeroy, H. H. Britan, Lena M. Niles, Mrs. G. E. Ramsdell, Mrs. W. H. Hartshorn, Mrs. G. M. Chase.

ADMISSION OF STUDENTS

GENERAL STATEMENT

All candidates for admission to the College must offer satisfactory testimonials of good moral character; and those that have been members of other colleges must present certificates of honorable dismission.

Young men desiring information about the College or seeking admission should address President Clifton D. Gray, Roger Williams Hall, Bates College, Lewiston; young women, Dean Clara L. Buswell, Roger Williams Hall, Bates College, Lewiston.

A young woman applying for admission must furnish a certificate of character and scholarship from her principal, a certificate of health equal to the demands of a college course from her physician, and a certificate of character and worth from her pastor. Application should be made not later than March 1 of the year for which admission is sought. If practicable, the list of successful candidates will be announced about May 1.

Young men desiring information about rooms in the College dormitories should write to Harry W. Rowe, Roger Williams Hall, Bates College, Lewiston.

The requirements in particular subjects are as follows.

LATIN

The requirements in Latin are those recommended in the "Report of the Commission on College-Entrance Requirements in Latin," and are as follows:

1. Amount and Range of the Reading Required.

1. The Latin reading required of candidates, without regard to the prescription of particular authors and works, shall be not less *in amount* than Cæsar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Æneid, I-VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Caesar (Gallic War and Civil War) and Nepos (Lives); Cicero (ora-

tions, letters and De Senectute), and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Æneid), and Ovid (Metamorphoses, Fasti, and Tristia).

II. Subjects and Scope of the Examinations.

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Æneid I, II, and either IV or VI at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, construction, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

Suggestions Concerning Preparation.

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best prep-

aration for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

On the basis of the above Report the examinations will be grouped as follows:

I. Two Years of Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of five exercises a week for two years. It will include translation from Cæsar's Gallic War, Book I, easy sight passages, and Grammar and Composition.

This examination is designed to meet the needs of such candidates for the degree of Bachelor of Science as offer only two years of Latin.

II. Elementary Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of five exercises a week for at least three years. It will include translation of prose at sight, Cicero, as indicated above in Section II, Article 2, and Grammar and Composition.

III. Advanced Latin.

The examination will be adapted to the proficiency of those that have studied in Latin in a systematic course of five exercises a week for at least four years. It will cover the work outlined in Section II of the Report.

GREEK

1. Elementary Greek.

Candidates presenting this subject should be able to translate at sight simple Attic prose, and should possess a thorough mastery of ordinary Greek inflections, principles of syntax, and idioms, involving the ability to write simple Attic prose. To attain the required proficiency, a student should have studied Greek for two years, in a systematic course of five exercises a week, including the reading of four books of Xenophon's Anabasis or an equivalent, thorough study of Grammar, and considerable practice in writing Greek sentences involving ordinary idioms and constructions.

II. Advanced Greek.

Candidates presenting this subject should be able to translate at sight passages from Homer, as well as from Attic prose, and should be well grounded in the epic dialect, the prosody of Homer and the general features of Homeric life. They should also be able to translate into Attic prose simple English passages of connected narrative. These requirements involve, in addition to the course in Elementary Greek, a third year of study, with exercises five times a week, and necessitate the reading of additional Attic prose and of at least the first three books of the Iliad or an equivalent, and practice in the writing of connected passages of Attic prose.

Students admitted without Greek may begin the study of Greek in the Freshman year and go on to the regular courses in that language.

ENGLISH

The study of English in school has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

Grammar and Composition. The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs, should be thoroughly mastered; and practice in composition, oral as well as written, should extend

throughout the secondary-school period. Written exercises may well comprise letter writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether written or oral.

Literature. The second object is sought by means of two lists of books, headed respectively *Reading* and *Study,* from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and be encouraged to commit to memory some of the more notable passages in both verse and prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

A. Reading

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

For 1919-1922.

Group I. Classics in Translation. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books i-v and xv-xvii; the Iliad, with the omission, if desired, of Books xi, xiii, xiv, xv, xvii, xxi; Vergil's Æneid. The Odyssey, Iliad and Æneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

Group II. Shakespeare: Midsummer Night's Dream; Merchant of Venice; As You Like It; Twelfth Night; The Tem-

pest; Romeo and Juliet; King John; Richard II; Richard III; Henry V; Coriolanus; Julius Cæsar;* Macbeth; Hamlet.*

Group III. Prose Fiction. Malory: Morte d'Arthur (about 100 pages); Bunyan: Pilgrim's Progress Part I; Swift: Gulliver's Travels (voyages to Lilliput and to Brobdignag); Defoe: Robinson Crusoe, Part I; Goldsmith: Vicar of Wakefield; Frances Burney: Evelina; Scott's Novels: any *one;* Jane Austen's Novels: any *one;* Dickens' Novels: any *one;* Thackeray's Novels: any *one;* George Eliot's Novels: any *one;* Mrs. Gaskell: Cranford; Kingsley: Westward Ho! or Hereward, the Wake; Reade: The Cloister and the Hearth; Blackmore: Lorna Doone; Hughes: Tom Brown's School Days; Stevenson: Treasure Island or Kidnapped or Master of Ballantrae; Cooper's Novels: any *one;* Poe: Selected Tales; Hawthorne: The House of the Seven Gables or Twice Told Tales or Mosses from an Old Manse; a collection of short stories by various standard writers.

Group IV. Essays, Biography, etc. Addison and Steele: The Sir Roger de Coverley Papers or Selections from the Tatler and Spectator (about 200 pages); Boswell: Selections from the Life of Johnson (about 200 pages); Franklin: Autobiography; Irving: Selections from the Sketch Book (about 200 pages) or Life of Goldsmith; Southey: Life of Nelson; Lamb: Selections from the Essays of Elia (about 100 pages); Lockhart: Selections from the Life of Scott (about 200 pages); Thackeray: Lectures on Swift, Addison, and Steele in the English Humorists; Macaulay: Any *one* of the following essays: Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay; Trevelyan: Selections from the Life of Macaulay (about 200 pages); Ruskin: Sesame and Lilies or Selections (about 150 pages); Dana: Two Years Before the Mast; Lincoln: Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman: The Oregon Trail; Thoreau: Walden; Lowell: Selected Essays (about 150 pages); Holmes: The Autocrat of the Breakfast Table; Stevenson: An Inland Voyage and Travels with a Donkey; Huxley: Autobiography and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; A Collection of

*If not chosen for study under B.

Essays by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; A Collection of Letters by various standard writers.

Group V. Poetry. Palgrave: Golden Treasury (First Series): Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave: Golden Treasury (First Series): Book IV, with special attention to Wordsworth, Keats and Shelley (if not chosen for study under B); Goldsmith: The Traveller and The Deserted Village; Pope: The Rape of the Lock; A Collection of English and Scottish Ballads, as for example, some Robin Hood Ballads, The Battle of Otterburn, King Estmere, Young Beicham, Bewick and Grahame, Sir Patrick Spens, and a selection from later ballads; Coleridge: The Ancient Mariner; Byron: Childe Harold, Canto III or IV, and The Prisoner of Chillon; Scott: The Lady of the Lake, or Marmion; Macaulay: The Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivry; Tennyson: The Princess, or Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning: Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus; Arnold: Sohrab and Rustum, and The Forsaken Merman; Selections from American Poetry, with special attention to Poe, Lowell, Longfellow, and Whittier.

B. Study

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

Group I. Drama. Shakespeare: Julius Cæsar, Macbeth, Hamlet.

Group II. Poetry. Milton: L'Allegro, Il Penseroso, and either Comus or Lycidas; Tennyson: The Coming of Arthur, The Holy Grail, and The Passing of Arthur; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's Golden Treasury (First Series).

Group III. Oratory. Burke: Speech on Conciliation with America; Macaulay's Speech on Copyright and Lincoln's Speech at Cooper Union; Washington's Farewell Address and Webster's First Bunker Hill Oration.

Group IV. Essays. Carlyle: Essay on Burns, with a selection from Burns' Poems; Macaulay: Life of Johnson; Emerson: Essay on Manners.

Examination. However satisfactory in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which will be on grammar and composition, and the other on literature.

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distincton from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn chiefly from the books read.

An examination in literature will include:

A. General questions designed to test such a knowledge and appreciation of literature as may be gained by fulfilling the requirements defined under A. READING above. The candidate will be required to submit a list of books read in preparation for the examination, certified by the principal of the school in which he was prepared; but this list will not be made the basis of detailed questons.

B. A test on the books prescribed for study, which will consist of questions upon their form, content, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning lives of the authors, their other works, and the periods of literary history to which they belong.

MATHEMATICS

I. Elementary Mathematics.

(1) Algebra. Through equations of the second degree.

Although candidates are not examined in Arithmetic, a thorough knowledge of its fundamental principles is an essential part of a preparatory course. This subject should not be neglected by candidates.

The required work in Algebra should ordinarily cover two years' work of five recitations per week, and includes the following subjects: Factors, fractions, ratio and proportion; negative quantities and interpretation of negative results; a thorough knowledge of radicals and the solution of equations involving radicals, fractional and negative exponents; the binomial theorem for positive integral exponents; extraction of roots; the solution of equations with one or more unknowns, whether of the first or second degree, and with literal as well as numerical coefficients, and of problems leading to such equations; arithmetical and geometrical progression.

It is recommended that the student familiarize himself with the solution of simultaneous equations of two or three unknowns, that he be able to solve quadratics at sight, either by factorization or by formula, and that he learn to draw the graphs of linear and quadratic equations of two unknowns.

(2) Plane Geometry. The required work in plane geometry should extend throughout one year of five recitations per week.

The theorems and constructions as found in good textbooks: The properties of plane rectilinear figures; the circle, and the measurement of angles; similar polygons; areas; required polygons and the measurement of the circle. A large part of the time should be given to original demonstrations of exercises, and this should be insisted upon as a part of the required work in the course.

II. Advanced Mathematics.

(1) Algebra, including choice, chance, theory of limits, the binomial theorem for negative and fractional exponents, logarithms, series, determinants, graphs, derivatives, and the theory of equations.

(2) Solid Geometry, as represented by the ordinary college text-books. Candidates should be able to solve readily problems of solid mensuration and to demonstrate original theorems that may be deduced easily from the text.

(3) Plane Trigonometry as represented by the usual text-books. Candidates must be familiar with the theory and use of six-place logarithmic tables.

FRENCH

*The admission requirements in elementary and advanced French are those recommended by the Modern Language Association of America.

I. Elementary French.

The work to be done during the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of

*See page 32 for entrance requirements and for requirements in college.

the forms and use of pronouns, of pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

II. Advanced French.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

GERMAN

*The admission requirements in elementary and advanced German are those recommended by the Modern Language Association of America.

I. Elementary German.

The first year's work should comprise: (1) careful drill upon pronunciation; (2) memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs, also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in reproducing natural forms of expression; (5) the reading of 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in reproducing from memory sentences previously read.

The second year's work should comprise: (1) the reading of 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in translating into German easy variations upon the matter read, also in the off-hand reproduction, sometimes orally and sometimes in writing,

*See page 32 for entrance requirements and for requirements in college.

of the substance of short and easy selected passages; (3) continued drill upon the rudiments of grammar, directed to the end of enabling the pupil, first, to use his knowledge with facility in forming sentences, and second, to state his knowledge correctly in the technical language, of grammar.

II. Advanced German.

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with especial reference to the infinitive and subjunctive), and likewise upon order and word formation.

SPANISH

The combined requirement in elementary and advanced Spanish is the same as that of the College Entrance Examination Board in Spanish.

I. Elementary Spanish.

The work of the first year should comprise: (1) Careful drill in pronunciation; (2) the rudiments of grammar, including the conjugation of the more regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; (3) abundant easy exercises, designed to fix in the memory the forms and principles of grammar and to cultivate readiness in the use of natural forms of expression; (4) the reading and accurate rendering into good English of from 100 to 150 pages of graduated texts; (5) the translation into Spanish of easy variations of the sentences read; (6) writing Spanish from dictation.

The work of the second year should comprise: (1) The reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into Spanish easy variations upon the texts read; (3) frequent abstracts of portions of the text already read; (4) continued drill upon the rudiments of grammar, with constant application in the construction of

sentences; (5) mastery of the forms and use of pronouns, pronominal adjectives, and of all but the rare irregular verb forms; (6) writing Spanish from dictation.

II. Advanced Spanish.

The work should comprise the reading of from 400 to 600 pages of Spanish of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving Spanish paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

CHEMISTRY

The examination in this subject implies an acquaintance by recitation and laboratory work with elementary processes and with the properties of common chemical substances; also a familiarity with the chemical notation in its arithmetical meaning, including the abilty to solve simple problems based on the relations expressed by formulas and equations.

The requirements in this subject include the study of both metals and non-metals, and may be met by the use of any good elementary text-book and laboratory manual, and the presentation of a satisfactory laboratory certificate describing the work done.

PHYSICS

The student must present satisfactory evidence that he has completed a year's work in Physics based upon a standard text-book (Carhart and Chute's, Millikan and Gale's, and Gage's are recommended). The course must include at least one two-hour laboratory period per week. To receive credit in Physics a laboratory certificate describing the work done must be presented. At least forty experiments should be performed.

BIOLOGY

One year's work in Biology may be offered for one unit in the preparatory course. The year's work should be equivalent to at least one hundred one-hour exercises, consisting of at least one-half laboratory work. A laboratory certificate describing the work done must be presented. The course may consist of one year's work in Zoology, or one year's work in Botany, or one-half year's work in each.

It is desirable that considerable field work be done; that the animals and plants be studied in their natural environment. A large amount of data, obtained through accurate observation out-of-doors, forms the best foundation for the work to be accomplished in the laboratory and recitation room.

It is more important that a relatively small amount of laboratory work be carefully and thoroughly accomplished by proper laboratory methods, than that a large amount of ground be covered in a superficial and unscientific manner.

For a year's work in Zoology, the following texts—supplemented with such laboratory work as time and text would require—are approved: General Zoology, by Linville and Kelley; Zoology, Descriptive and Practical, by Colton; Introduction to Zoology, by Davenport.

For one-half year's course in Zoology: Animal Life, by Jordan and Kellogg; Animal Forms, by Jordan and Heath; Practical Zoology, by Davison.

For a year's course in Botany: Plants, by Coulter; Elements of Botany, by Bergen; Introduction to Botany, by Stevens.

For a one-half year's course in Botany: such parts—selected by instructor—of one of the above texts, as can be properly handled in the time.

HISTORY

United States History and Civics.

The student should have a general knowledge of the colonization of the several states, the forms of government that existed previous to the War of Independence, the causes and principal events of that war, the Period of the Confederation and the establishment of the Federal Constitution with the general history subsequent to that event.

English History.

In this subject a general knowledge of the social and political development of England is expected of the student. This applies in particular to the centuries subsequent to the Norman conquest and to the movements that culminated in the creation of a British Empire and of a limited monarchy.

Ancient History, Greek and Roman.

The student should know the main facts respecting the political development of Greece and the Roman Republic and

Empire, and should possess a general acquaintance with Greek and Roman life, literature and art.

DEGREES

Students are admitted to Bates College as candidates for the degree either of Bachelor of Arts or Bachelor of Science. The degree of Bachelor of Arts is regularly conferred upon those that have included among their courses one year of college Latin. In exceptional cases the degree may be conferred also upon students that have not taken Latin, but, beginning Greek in college, have continued the study of the same through Courses 7 and 8. Students that pursue neither Latin nor Greek receive the degree of Bachelor of Science. Young women admitted to Bates must offer adequate preparation in Latin, and they are enrolled as candidates for the degree of Bachelor of Arts.

ADMISSION GROUPS

To show clearly the requirements for admission the following grouping of the preceding subjects is made. Candidates for admission to the Freshman Class must show adequate preparation in all the subjects of Group I and in enough of Group II to make a total of 14½ units. To count a unit a subject must be pursued for one school year of thirty-six weeks with five recitation periods per week.

A.B. COURSE—*Group I*

	Units
English A and B (3 years)	3
*Latin	3
Modern Foreign Language	2
Algebra	1½
Plane Geometry	1
†History	1
Total required	11½

B.S. COURSE—*Group I*

	Units
English, A and B (3 years),	3
Modern Foreign Language	2
Algebra	1½
Plane Geometry	1
†History	1
Total required	8½

*Though three years of Latin will be accepted for admission to the course leading to the degree of Bachelor of Arts, the candidate is strongly urged to present four years. All that present three years only will be required to take two full years of Latin while in college in order to qualify for the above-mentioned degree. See page 16 for a statement about the required college courses in Latin.

†In presenting History for admission, the candidate has the option of presenting either one full year of one History or a half-year of each of two.

A.B. COURSE—*Group II*

	Units
Elementary Greek	2
Advanced Greek	1
Advanced Latin	1
Elementary French (if not offered in Group I)	2
Advanced French	1
Elementary German (if not offered in Group I)	2
Advanced German	1
Elementary Spanish (if not offered in Group I)	2
Advanced Spanish	1
Chemistry (including notebook)	1
Physics (including notebook)	1
Biology (including notebook)	1
†General Science	1
Advanced Algebra	½
Solid Geometry	½
Plane Trigonometry	½
‡Greek History and Roman History	½ or 1
American History and Civil Government	½ or 1
English History	½ or 1
†Bible Study	1
Total elective	3

B.S. COURSE—*Group II*

	Units
Two years of Latin	2
Elementary Latin	3
Advanced Latin	1
Elementary Greek	2
Advanced Greek	1
Elementary French (if not offered in Group I)	2
Advanced French	1
Elementary German (if not offered in Group I)	2
Advanced German	1
Elementary Spanish (if not offered in Group I)	2
Advanced Spanish	1
Chemistry (including notebook)	1
Physics (including notebook)	1
Biology (including notebook)	1
†General Science	1
Advanced Algebra	½
Solid Geometry	½
Plane Trigonometry	½
American History	½ or 1
‡Greek History and Roman History	½ or 1
English History	½ or 1
†Bible Study	1
*Free Hand Drawing	½
*Mechanical Drawing	½
Total elective	6

*Accepted only from schools fully equipped for work of this character.

†Accepted only upon evidence that it represents serious work and sound methods.

‡Whenever History is offered by the candidate, his Principal should state definitely whether the subject has been studied in a full year's, or a half year's course.

Candidates for the degree of Bachelor of Arts must present in addition to Group I a selection of subjects from Group II aggregating three units according to the valuation there indicated.

Candidates for the degree of Bachelor of Science must present in addition to Group I a selection from Group II aggregating six units according to the valuation there indicated. Candidates for the degree of Bachelor of Science must complete before graduation from college not less than four years of work in not more than two modern foreign languages; of this amount two years' work must be presented for admission to college; a third year's work may be presented for admission, but at least one year's work must be done in college.

A FREE MARGIN OF ELECTIVES

In special cases, other secondary school subjects, aggregating not more than four units, will be accepted. Candidates for admission that wish to avail themselves of this privilege, must present from their Principals full statements both of the amount and of the quality of work done in such subjects. Only subjects that require serious intellectual efforts will be considered.

THE METHODS OF ADMISSION

All candidates for admission must present evidence of sound moral character, of an approved school course satisfactorily completed, and of sufficient maturity and ability to do college work.

THE TWO PLANS OF EXAMINATIONS

I. The Old Plan of Examinations.

To secure admission under this plan, the examination of the candidate must show adequate preparation in the subjects prescribed on page 30, and in enough of the elective subjects listed on page 31 to be credited with a total of fourteen and one-half units.

Candidates that meet in full these requirements are admitted to regular standing. Candidates that fail to meet in full the requirements indicated above may be admitted under conditions

which must be removed later by complying with certain regulations under the direction of the Committee on Registration. In admitting students with conditions, each case is settled on its merits. Ordinarily, however, a condition of more than two units is not granted.

II. The New Plan of Examinations.

To be admitted under this plan a candidate

(1) Must present evidence of an approved school course satisfactorily completed; and

(2) Must show in four examinations as explained below that his scholarship is of a satisfactory quality:

SCHOOL RECORD

A candidate must present to the Committee on Admission evidence of his secondary school work in the form of an official detailed statement showing

(a) The subjects studied by him and the ground covered.

(b) The amount of time devoted to each.

(c) The quality of his work in each subject.

To be approved, this statement must show

(a) That the candidate's secondary school course has extended over four years.

(b) That his course has been concerned chiefly with languages, mathematics, and history.

(c) That the English and Latin of his school program, if he is a candidate for the A.B., have been pursued for not less than the equivalent of five periods per week for three years; the English for three years, and the French or German for two years, if he is a candidate for the B.S. The candidate for the A.B. is advised to offer four years of Latin if possible; and the candidate for the B.S. is advised to offer three years of French or German if possible.

THE EXAMINATIONS

If the official detailed statement presented by the candidate shows that he has satisfactorily completed an approved secondary

school course, he may present himself for examinations in four subjects as follows:

For the A.B.	*For the B.S.*
1. English	1. As for the A.B.
2. Latin	2. Either French or German
3. Mathematics (Algebra and Plane Geometry).	3 and 4. As for the A.B.
4. One of the following subjects:	
(a) Chemistry.	
(b) Physics.	
(c) History: either	
(1) Greek and Roman, or	
(2) American, or	
(3) English.	

These four examinations must be taken at one time, either in June or in September. Candidates who show by their school records and college examinations that they have the ability to take advantage of college work and college methods, will be admitted without conditions. If a candidate is not admitted, it will mean that his school record and college examinations do not show a scholarship adequate for college work.

ADMISSION BY CERTIFICATE

Graduates of schools approved by the New England College Entrance Certificate Board are admitted without examination. The colleges associated in this Board are Amherst, Bates, Boston University, Bowdoin, Brown University, Colby, Massachusetts Agricultural, Middlebury, Tufts, Wesleyan University, Williams.

Certificates are passed upon by the individual colleges above named. All schools in New England desiring the certificate privilege should apply to the Secretary of the Board, Professor Frank W. Nicolson, Wesleyan University, Middletown, Conn., before April 1st. Schools outside of New England desiring the certificate privilege should apply to the Registrar of Bates College, Roger Williams Hall, Lewiston, Maine.

Certificates should meet the requirements in full, but certificates covering eight units of the requirements will be accepted and the candidates will be examined on the remaining units. Candidates offering certificates for less than eight units of the requirements must be examined in full. Candidates that have

taken preparatory work in more than one school must be certified by the principal of each of the schools in which they have taken work.

Blanks for certificates will be furnished by the Registrar of the College. School diplomas will not be accepted in place of certificates. Certificates that candidates have met the entrance requirements of another college will ordinarily be accepted, provided they cover the usual subjects or their equivalents, required for admission to Bates College.

ADMISSION BY CERTIFICATE OF EXAMINATIONS

Academic diplomas issued by the Regents of the University of the State of New York are accepted in all required subjects covered by them.

Certificates of the New York State Examination Board are accepted.

Certificates of the College Entrance Examination Board are accepted.

ADMISSION FROM OTHER COLLEGES

Students from other colleges seeking admission to Bates must present the following credentials: a letter of honorable dismissal, a statement of method of admission, an official statement in detail of studies taken by terms or semesters, with standing in the same, the exact number of terms of attendance, and a marked catalogue of the institution, showing each subject that has been completed.

DATES OF EXAMINATIONS FOR ADMISSION

The regular examinations for admission to Bates begin on Tuesday, September 20, at 8.00 o'clock A.M., in Room 1, Hathorn Hall. Arrangements may be made for taking examinations at the student's own school beginning on the first Monday in June. Principals, wishing thus to assume the responsibility of the examinations, should register their requests for examination papers, stating the subjects and the number of papers required in each, with the Chairman of the Committee on Entrance Examinations, Professor F. A. Knapp, 32 Mountain Ave., Lewiston, Maine, not later than May 25. Examinations will not be held at the College in June.

SCHEDULES OF EXAMINATIONS

JUNE EXAMINATIONS

(In the Schools)

Time	*Monday*	*Tuesday*	*Wednesday*	*Thursday*
8.30-10.30	American History	English History	English	Physics
10.30-12.30	Greek and Roman History	French	Chemistry	German or Spanish
2.00- 4.00	Latin	Algebra	Plane Geometry	Solid Geometry

Principals may give examinations in other subjects at their convenience on any of the days specified above.

SEPTEMBER EXAMINATIONS

(At the College)

Time	*Tuesday*	*Wednesday*
8.00-10.00	History, Solid Geometry	Chemistry or Physics
10.00-12.00	French	English
1.30- 3.30	Algebra	Plane Geometry
3.30- 5.30	Latin	German or Spanish

Other subjects may be arranged for by consulting the examiner at the time of the History examination.

COURSES OF INSTRUCTION

Most of the work of the Freshman year is required. Some electives are introduced in the second semester of the Freshman year and are increased in number with each succeeding semester. The essentials of a liberal education are constantly kept in view and the attainment of knowledge is made tributary to the love of study, the habit of investigation, and the tastes and aptitudes of the scholar. The individuality of students is recognized and encouraged without the sacrifice of breadth and thoroughness. Class-room work is supplemented by original observation and research and by a systematic use of the College Library.

While in every department the cultural aim is held constant and controlling, the culture sought is of the kind that pays tribute to life. While not mistaking itself for a professional school or a technical school, the College seeks to make all its instruction practical. Each teacher remembers that forty-three out of every hundred of Bates graduates become educators, and strives to exemplify the best Pedagogy. A semester course of one hour a week is devoted to methods of teaching each secondary school subject in which advanced work is done in the College. In addition, the Professor of Education gives carefully planned courses that, while thoroughly cultural, are designed to enable graduates of the College that have satisfactorily completed them to qualify for a teacher's certificate of the first class from State Boards of Education. In like manner, the courses in Elocution and in English, especially the courses in Argumentation, prove of great value to graduates who engage in public speaking and, in particular, to those who practice Law; while the course in Rhetoric and the practical training in Composition afford an admirable preparation for Journalism. So, also, the courses in Biblical Literature and Religion, while having a choice cultural value, are a substantial aid to students contemplating the Christian Ministry. The thorough courses in Chemistry meet the requirements of the best Medical Schools, and those in Biology receive equal recognition. The work in Mechanics, in Electricity and Magnetism, and in the Elements of Electrical Engineering, assures to the general student of these subjects an intelligent acquaintance with the great natural forces of the industrial world

and enables the prospective engineer to gain, at comparatively slight cost, advanced standing in such a school of applied science as the Massachusetts Institute of Technology.

Students wishing to enter Medical Schools after completing two years' work in Bates College must present the complete admission requirements as in the case of students matriculating for the A.B. or B.S. degree. The purpose of such students to pursue a medical course after completing the necessary college work must be attested by a written statement from their parents or their guardians. A change to regular standing may be made only by special vote of the faculty. Such students are required to take work in Biology, Chemistry, Physics, French or German, and may elect one course in some other language.

I. ASTRONOMY.

1, 2. General Astronomy. A descriptive and reasoned course concerning the heavenly bodies: their motions, real and apparent; their dimensions and masses; their nature and physical condition; their influences upon one another; and their services to man.

Three hours. Through the year. Elective for Juniors and Seniors.

II. BIBLICAL LITERATURE AND RELIGION

1. Old Testament. A study of the growth of the Hebrew Commonwealth from Moses to the time of Jesus. Special attention is given to the great leaders and their moral and religious ideals.

Three hours. First semester. Elective for Freshmen only.

2. New Testament. An introduction to the study of the Life of Christ.

Three hours. Second semester. Elective for Freshmen only.

3, 4. History of Religions. Historical and comparative study of the great religious systems of mankind.

Three hours. Through the year. Elective for Sophomores.

[5. Life and Letters of Paul. Historical origin and religious message of the letters of Paul, and a study of the life and character of the great Apostle.

Three hours. First semester. Elective for Juniors and Seniors. Not offered in 1921-1922.]

[6. Origin and Growth of the Gospels, and the other post-Pauline books of the New Testament. This course begins with the Sayings of Jesus and seeks to trace the way in which the Gospels reached their present form. This historical background and the literary form of the Synoptic Gospels and the later New Testament books are studied in order to attain, if possible, a clear view of the meaning of each book in relation to all the other books of the New Testament.

Three hours. Second semester. Elective. Courses 2 and 5 are prerequisites. Not offered in 1921-1922.]

7. Christianity and Democracy. A psychological study of the nature and meaning of Christianity, a consideration of the different types of the Christian religion that our democracy in America has inherited, and an attempt to discover new religious values in our community life.

Three hours. First semester. Elective for Juniors and Seniors.

8. The Expansion of Christianity. The motive of Christians in spreading their faith; the establishment of the decisive influence of Christianity over the whole world during the nineteenth century; illustrations of the social influence of Christianity in non-Christian lands; and the hope of the unity of the world on the basis of the teachings of Jesus.

Three hours. Second semester. Elective for Seniors and Juniors.

9, 10. New Testament Greek. Two courses offered by Professor Chase for students preparing for the Christian ministry. See Greek 9, 10.

11, 12. Hebrew Language.

Three hours. Through the year. Elective for Juniors and Seniors.

III. BIOLOGY.

General Biology

1. General Biology. This course deals with the general principles of the subject—life, growth, reproduction, irritability, elementary embryology, fundamental structural characteristics of both plants and animals, and with such topics as immunity and heredity. Instruction is given by means of recitations and laboratory work. Field work constitutes an important part of the course. Trips are taken into the surrounding country for the pur-

pose of collecting and studying both plants and animals in their natural environment.

The aim of this course is to deal extensively with fundamentals; emphasizing the cultural aspects of the subject and the importance of accurate observation.

Two one-hour periods and one two-hour period. Second semester. Elective. This course should be taken by any one who plans to do further work in this department.

BOTANY

1. Morphology, Ecology and General Classification of the Plant Kingdom. The work of the course comprises recitations, lectures and laboratory exercises. A study is made of the principles upon which modern classification is based. Type specimens representing the various groups and sub-divisions of the vegetable kingdom are studied with respect to their distinctive characteristics, structure, etc., together with a consideration of the inter-relations of the groups. In the laboratory the student studies and sketches most of the specimens taken up in recitations.

The purpose of this course is twofold: (1) to give the student a knowledge of the structure and functions of representative types of the plant kingdom, and how these types are related to one another from an evolutionary viewpoint; (2) to continue the training in methods of precision and accuracy in observation so essential to all scientific work.

Two one-hour periods and one two-hour period. First semester. Elective. Biology 1 prerequisite.

2. Morphology, Physiology and Ecology of Flowering Plants. The method of instruction in this course is: (1) recitations upon the above subjects, as they are developed by a study of the text-book, by lectures and in laboratory work; (2) laboratory exercises, in which a careful study is made of the morphology of the various parts of the plant body. The seeds, roots, stems, leaves, flowers and fruits are taken up in succession. The structure and relation of these parts to the life processes of the plant are recorded in the laboratory note-book, by means of drawings and descriptive notes. Sufficient time is given to flower analysis, so that each student has such practice as will make him familiar with the method of work. Considerable attention is given to field work.

The aim of this course is to give the student a general yet comprehensive knowledge of the life-processes and structure of the flowering plants.

Two one-hour periods and one two-hour period. Second semester. Elective. Biology 1 prerequisite.

3, 4. Forest Botany. For description see Forestry 3, 4.

5. Wood Technology. For description see Forestry 17.

ZOOLOGY

1, 2. General Principles of Zoology, and Morphology, Ecology and General Classification of Invertebrate Animals. Instruction is given by recitations and laboratory work. These courses aim to teach, first, the general principles of the subject, its history and subdivisions, the structure, development and functions of cells, tissues and organs, general embryology, etc.; second, the outlining of the principal groups of the animal kingdom, studying their ecology and morphology. The laboratory work is confined to representatives of the chief groups of invertebrates. Typical forms are studied microscopically or dissected, and careful drawings with descriptive notes must accompany the laboratory work.

Two one-hour recitation periods and one two-hour laboratory period. First semester. One one-hour recitation period and two two-hour laboratory periods. Second semester. Elective. Biology 1 prerequisite.

3, 4. Comparative Anatomy of Vertebrates. Instruction in this course is given chiefly by laboratory exercises and lectures. Type representatives of the different classes of Vertebrata are very thoroughly dissected and studied in a comparative way, from the lower forms to the higher. All observations and records are kept by means of drawings and notes. The course is intended especially for those who are particularly interested in biological science, or in the study of anatomy and medicine.

Three two-hour periods. Through the year. Elective. Biology 1, Zoology 1 and 2 prerequisites.

5, 6. Microscopic Technique, Histology, and Embryology. In these courses instruction is given by lectures, recitations and laboratory work. A study is made of the parts and use of the compound microscope, together with laboratory work upon the

more essential methods of investigation. This involves practical work upon an invertebrate animal and the different tissues of vertebrates. The student experiments with the important methods of fixing, hardening, staining, dehydrating, clearing, imbedding, sectioning, and mounting objects for microscopic study.

Further, the student is introduced to the general subject of animal histology, by a careful study of the above preparations.

Three two-hour periods. Through the year. Elective. Biology 1, Zoology 1, 2, 3, and 4 prerequisites.

7. Genetics. The work in genetics is divided into two distinct courses:

7a. Heredity. In this course an attempt is made to summarize the general field of heredity by means of recitations, lectures, and discussions on library work. Believing that the subject of heredity is of great interest to, and should concern, everybody, an endeavor is made to take up the introductory work of this course in such a manner as to make it possible for the student without previous biological training to do the work.

Two hours. First semester. Elective for Seniors.

7b. Experimental Breeding. A laboratory course in which each student carries on several series of breeding experiments with some form that reproduces rapidly; drosophilia, mice, guinea pigs, and rabbits, are now being used.

One two-hour period. First semester. Elective. Zoology 1, 2, 3, and 4 prerequisites.

IV. CHEMISTRY.

Instruction in this department includes lectures, recitations and laboratory work and continues through the Freshman, Sophomore, Junior, and Senior years. The study begins with lectures and recitations on the non-metallic elements and their compounds, and in connection with these subjects the elements of Theoretical Chemistry are taught, and the students are given practice in the solution of a variety of chemical problems.

Through the courtesy of National Manufacturers this Department is fortunate in possessing a collection of exhibits of typical and representative chemical products as well as catalogs, diagrams, and descriptive literature concerning these products and the machinery used in their manufacture.

These exhibits are used as illustrative material in the various courses in Chemistry.

1. Inorganic Chemistry, the non-metals. This course is devoted to the elementary principles of the science. It deals with the nature and properties of the common elements and the application of the fundamental laws and theories concerning their combination. Recitations, experimental lectures, and laboratory work.

Two recitation periods and one two-hour laboratory period. First semester. Elective for Freshmen and Sophomores.

2. General and Experimental Chemistry. A continuation of course 1, dealing largely with the metallic elements and including a few of the more common carbon compounds. Recitations and lectures, with laboratory work.

Two recitation periods and one two-hour laboratory period. Second semester. Course 1 prerequisite.

3. Qualitative Analysis. An inductive course of basic and acid analysis. Laboratory work with lectures upon the methods and theories involved. It includes the separation of a large number of mixed compounds.

Three two-hour periods. First semester. Courses 1 and 2 prerequisites.

4. Organic Chemistry. An introduction to the study of the compounds of carbon, covering the methane and benzene series and their derivatives. This course deals with the preparation and chemical properties of the more important classes of organic compounds. Lectures and laboratory work.

Three two-hour periods. Second semester. Course 3 prerequisite.

5. Quantitative Analysis. Lectures on the theories and principles of quantitative analysis. Laboratory practice in gravimetric and volumetric methods; separation and estimation of metals, acids, and water of crystallization.

Three two-hour periods. First semester. Courses 3 and 4 prerequisites.

6. Practical and Sanitary Analysis. A continuation of course 5, with additional work on alloys, ores, mineral waters, and foods, with various complex analyses and their applications.

Three two-hour periods. Second semester. Course 5 prerequisite.

7. Historical and Theoretical Chemistry. A lecture and reading course.

Two hours. First semester. Elective for Seniors.

8. Industrial Inorganic Chemistry. This course deals with all the industrial inorganic chemical processes by lectures and collateral reading. The laboratory work includes technical analyses and, when practical, a study of general operations on small scales. Text: Thorp's Outlines of Industrial Chemistry.

Three lectures and laboratory periods. First semester. Courses 5 and 6 prerequisite or parallel.

9. Industrial Organic Chemistry. This course deals with the study of the more important industrial organic processes. Special emphasis is placed upon the study of the textile processes. Texts: Thorp's Outlines of Industrial Chemistry, and Frap's Principles of Dyeing.

Course 8 prerequisite.

10. Elementary Physical Chemistry. This course presents those portions of physical chemistry which are essential for every chemist, student of medicine, or teacher. The laboratory work includes the determination of some of the fundamental physical constants, determination of molecular weights and a study of thermometry and temperature regulation.

Three lectures and laboratory periods. Course 5 prerequisite or parallel.

11. Physical Chemistry. A continuation of Course 10. The work includes the study of the application of electricity to chemistry, a study of colloids, viscosity, etc. The laboratory work includes experiments on electro-chemistry, colloids, etc.

Three lectures and laboratory periods. Second semester. Course 10 prerequisite.

12. Sanitary Chemistry. This is a lecture and reading course dealing with the primary necessities of life—air, food, water, and shelter,—and the subjects closely related to them.

One hour. Second semester. Elective for Seniors and Juniors.

13. Physiological Chemistry. Lectures and laboratory work. The chemistry of digestion is taken up, also the analysis of urine, blood, saliva and gastric juice. This is followed by the detection of poisons and the action of strong drugs on the system.

Two exercises. Second semester. Elective for Seniors.

14. Advanced Organic Chemistry. A laboratory course in the synthesis and analysis of typical aliphatic compounds.

Elective for Seniors. First semester. Course 4 prerequisite.

15. Advanced Organic Chemistry. This is a continuation of Course 14. The work includes the preparation and study of the aromatic hydrocarbons and their derivatives.

Special attention is given to the preparation of dyestuffs and their derivatives.

Second semester. Course 14 prerequisite.

V. ECONOMICS AND SOCIOLOGY

Economics

1. The Economic Environment. A course designed to acquaint the student with the economic phases of modern social life. The historical background of our economic system will be sketched in broad outline. Chief attention will be given to the study of the outstanding features of the present economic system.

Three hours. First semester.

Course 1 is open to all students. Courses 2 and 3 constitute a unit, and course 2 will not be counted for credit until 3 is completed. Other courses in economics are open to students that have completed courses 2 and 3.

2. Principles of Economics. A systematic treatment of the cardinal principles of Economics. Theories of value and of distribution constitute the main subjects of study. This course emphasizes fundamental principles, but directs attention always to their bearing on current problems.

First semester. Three hours. Elective for Sophomores.

3. Current Economic Problems. A comprehensive treatment of selected economic problems, such as population, money, credit and banking, trusts, railroads, the tariff, socialism, and the relation of the government to business.

Three hours. Second semester.

[4. Business Finance. A study of money, banking, credit, and commercial crises, with special attention to their relation to business operations; also of the organization and financing of industrial corporations and of foreign trade, and of the functions of the stock exchange.

Three hours. First semester. Not offered in 1920-1921.]

5. Labor Problems. A study of the wage system; the relations of employer and employee; labor organizations, their policies and methods; agencies of industrial peace; profit-sharing and labor co-partnership; unemployment, etc.

Three hours. Second semester.

[6. Public Finance. This course covers the entire field of government finance, but lays chief emphasis on the subject of taxation. Attention will be given to: public expenditures; revenues; legislation and administration, and public credit.

Three hours. Second semester. Not offered in 1920-1921.]

7. Business Organization and Control. This course aims to give the student a clear understanding of the general features of modern business, the forms of organization, and business administration. The problems of the government's relation to business will be carefully considered.

Three hours. First semester.

Sociology

1. Principles of Sociology. This course will include a study of (1) the origin and development of society; (2) existing society, the nature of association, the forces and laws which make social action possible, and social psychology; (3) the theories of progress considered with the view of working out definite principles to guide society in securing a higher degree of human well being.

Three hours. First semester. Elective for Juniors and Seniors.

2. Applied Sociology. A discussion of certain social problems of modern life, with reference, on the one hand, to biologic and economic causes and, on the other hand, to policies and agencies directed toward the improvement of existing conditions.

Three hours. Second semester. Elective for Juniors and Seniors.

[3. Community Sociology. A study of modern community life, urban and rural, with the purpose of seeing the means and methods employed to secure a wholesome social life, to note defects and possible means of improving the existing organization.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1920-1921.]

VI. EDUCATION.

The purpose of the following courses in Education is twofold; first, to acquaint the student with the general nature, function, and importance of education as one of the means employed by society for its own development; second, to give the student a clear conception of the educative process psychologically considered, and to help him develop from such knowledge the principles of school administration and class-room method. Inasmuch as the courses are designed to meet the requirements of the various States for the work in this department, Philosophy 1 is a prerequisite or parallel to Education 1, 2, and 3.

1. History of Education. In this course attention is given to the development of educational thought and practice, as these were determined by social, political, economic, and religious conditions in various nations and periods. The essental features of the past are stressed as a basis for an intelligent knowledge of present-day theory and practice.

Three hours. First semester. Elective for Juniors.

[2. Principles and Problems of Secondary Education. This course deals with the meaning and scope of secondary education; a comparison of the aims, organization, administration, and curricula of American and typical European secondary school systems.

Three hours. Second semester. Elective for Juniors. Not offered in 1920-1921.]

3. Educational Psychology. This course is designed to present the facts so far as they have been scientifically determined, concerning the nature and development of the mind during childhood and youth, with special reference to the meaning of these facts to the teacher. It seeks to provide the student with sound criteria for estimating theories about the mental life, and it serves to introduce him to the present state of knowledge regarding man's innate tendencies, attention, perception, memory, imitation, curiosity, the learning process, practice and fatigue, characteristics of adolescence, individual differences, psychological tests, etc.

Three hours. First semester. Elective for Seniors.

4. Educational Sociology. An introductory course in the study of the sociological foundations of education. The various factors in the educational situation are analyzed and related, both for their cultural value in giving insight into the school as an institution and for their practical worth in formulating fundamental principles. The following are among the topics considered: the social basis of the school, the individual and the social group, the growth of democracy and its relation to education, social factors in school administration, the social origin and function of the curriculum, the essentials of the socialized school.

Three hours. Second semester. Elective for Juniors and Seniors. Education 1 or 3 prerequisite.

5. Educational Administration. A course designed especially for students desiring to fit themselves for work as superintendents or supervisors. Such topics as the following are discussed: the relation of the national government to education; forms of educational control; the school board and its functions; business administration; the grading of pupils, promotions, examinations, records, etc.; the supervision of instruction; the training of teachers in service.

Two hours. Second semester. Elective for Seniors. Education 4 and 6 prerequisite or parallel.

6. High School Management and Methods of Teaching. Discussion of fundamental principles of classroom control and teaching technique common to all subjects in secondary curricula, including drill, reflective thinking, questioning, use of books, laboratory methods, directed study, and measuring results.

An essential part of the course consists in the systematic observation of school management and class instruction in the high schools of Lewiston, Auburn, and neighboring towns. Written reports of these visits and observations are required periodically from each student in the course.

Three hours. Second semester. Elective for Seniors. Education 1 and 3 prerequisite.

6a. Educational Practice. A laboratory course designed to bring students (prospective teachers) into direct relations with practical classroom activities in the high schools of Lewiston and Auburn on the basis of observation, partial participation, and practice teaching, graded in complexity and extending through thirty lessons.

One hour. Second semester; two divisions, each for a period of six weeks. Elective for Seniors qualifying for the State Professional Secondary School Teacher's Certificate.

Professional Teacher's Certificate

In order to qualify fully for secondary school teaching in the State of Maine, candidates are required to complete approved professional courses. In this connection the following combination of courses offered at Bates College has been approved by the Education Department of the State of Maine: Philosophy (1) see p 70, Education 1, 2 (or 4), 3 and 6. The completion of this work, with not less than a grade of C, will entitle the graduate to the State Professional Secondary School Teacher's Certificate without further examination.

VII. ENGLISH

1. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of paragraphing and exposition.

Three hours. First semester. Required of Freshmen.

2. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of description and narration.

Three hours. Second semester. Required of Freshmen.

When a student completes courses 1 and 2, he receives a provisional pass mark. If at any time later in his college course he

is found to be deficient in his English, he is required to do additional work until such deficiencies are corrected.

3. Argumentation. A systematic study of the principles and practice of argumentation. Attention to the analysis of propositions, evidence, construction of the brief and the argument, the rebuttal, and the delivery of the argument. Class debates and weekly themes.

Three hours. First semester. Required of Sophomores.

4a. Literature and Composition. The study and writing of fiction. The history and technique of the English and American short-story. Lectures, reports, assigned readings, and themes.

Three hours. Second semester. Elective for qualified Sophomores.

4b. Literature and Composition. The study and practice of expository and argumentative discourse. This course is intended to supplement English 1 and 2.

Three hours. Second semester. Prerequisites, English 1 and 2.

5. Advanced Argumentation. A review of the theory of argumentation. Inductive and deductive argument, fallacies, refutation. A systematic discussion of current economic, social and political problems. Two periods each week given to debates.

Three hours. Second semester. Elective for Sophomores. Prerequisite, English 3.

6. Contemporary Drama. The technique of recent plays. Consideration of Ibsen, Shaw, Synge, Dunsany, Barrie, and others. The writing of short plays and criticisms.

Three hours. First semester. Elective for a limited number of Juniors and Seniors.

7a. History of English Literature to the end of the Elizabethan Age.

b. The Drama. Lectures on the origin and development of the drama and its history from Aeschylus to Shakespeare. Critical study of selected plays of Shakespeare, with required reading of other works of the Elizabethan Age.

Four hours. First semester. Required of Juniors.

8. Literature of the Seventeenth and Eighteenth Centuries. Critical study of selected works of prose and poetry, with lectures on the literary history and biography of the period. Required reading of other works, with research in the Library, reports, abstracts, and discussion in class.

Four hours. Second semester. Elective for Juniors.

9. Lectures on Literary Criticism, with special reference to fiction. Reading of selected works of the Nineteenth Century. Investigation of topics in literary history and criticism. Current literature.

Four hours. First semester. Elective for Seniors.

10. English Literature of the Nineteenth Century Special study of Tennyson and Browning.

Four hours. Second semester. Elective for Seniors.

11. Teacher's Course. Designed for those who expect to teach English in secondary schools.

Extra, one hour. Second semester.

Sophomore Prize Debates

A Champion Prize Debate is held for the men of the Sophomore class, and another for the women. Each team is composed of two speakers.

Second semester.

Sophomore Prize Essay

All Sophomores not participating in the Champion Prize Debates present essays on a prescribed subject, in competition for a prize.

Second semester.

Required Composition Work of Junior and Senior Years

This work, in continuation of that done in courses 1 to 4, is required of all members of the Junior and Senior classes, whether they elect English or not. An essay is presented in each semester, as follows:

12*1*. Original Declamations on Assigned Subjects. Each member of the Class reads his declamation before a committee, by whom the best twelve are selected for delivery in a prize contest on the evening before Ivy Day.

Junior year, second semester.

13*l*. Original Parts for the Senior Prize Speaking. Each student reads his part before a committee, who choose twelve to speak in the Prize Contest.

Senior year, second semester.

14*l*. Commencement Parts. Every member of the class writes a part, but the Commencement speakers are chosen on the basis of scholarship.

Senior year, second semester.

VII. FINE ARTS

A course designed to give the student the basis for an intelligent appreciation of the fine arts. Architecture, Sculpture, Painting and Music. Literature, since it already occupies so large a place in the curriculum, is introduced only for the sake of comparison and illustration. Each art is studied (1) for the sake of a historical background, and (2) in order to get acquainted with its elements and principles. Critical judgment and taste are sought by a constant examination of representative work.

Three hours. First semester. Elective for Juniors and Seniors.

IX. FORESTRY.

The completion of the following courses, together with specified courses in other departments (see page 83) will entitle the student to the degree of Bachelor of Science in Forestry (B.S.F.) Certain of the courses may be of interest and value to students not intending to specialize in forestry, particularly Courses 1, 2, 3, 5 and 6. The character of the work in the above courses makes it practicable for women students to elect these courses. In all courses where field work is involved, two hours' work in the field is considered equivalent to one hour in the classroom. Summer work is conducted on the College Forest at Alfred, Maine.

1, 2. An Introduction to Forestry. A general survey of the whole field of forestry, dealing briefly with subjects taken up in detail in the more advanced courses. The subjects treated include: forestry as a profession, the development of forestry at home and abroad, the conservation movement, forest economics, forest influences, dendrology, silvics, forest description, systems

of management, improvement cuttings, regeneration of the forest, its protection and valuation, and the utilization of forest products.

One hour. Through the year. Required of Freshmen that are candidates for the degree of B.S.F.

MECHANICAL DRAWING. The use of instruments. Geometrical problems and projection. Simple mechanical details. Introductory to Forestry 9 (Engineering Office Work).

Three periods of two hours each. First semester. Required of Freshmen that are candidates for the degree of B.S.F.

3, 4. DENDROLOGY (Forest Botany). The study of trees and shrubs in regard to their identification, classification, habits of growth, relation to environment, economic uses, range, and local occurrence. Special attention is given during the first part of the year to the forest botany of New England, and by means of characteristics of leaves, stems, buds, etc., the student is taught to identify, in both summer and winter condition, about one hundred and fifty species that occur locally. This part of the course is of general interest to students other than those in the Forestry Department, and the work of the first semester is elective to all students in college.

The second semester is devoted to a consideration of the general dendrological features of the economically important forest trees of the entire United States.

Three hours. Lectures, and field or laboratory periods. Through the year. Required of Sophomores that are candidates for degree of B.S.F.

Mr. Sawyer.

5, 6. SILVICULTURE. During the first semester a systematic study is made of silvics, the science. This deals not only with such topics as light, heat, moisture, air and soil in their influence on forest vegetation, but also treats of the characteristics of growth, distribution, and susceptibility to injury of trees as individuals; the growth of stands; and the composition, character, and form of the forest as a plant society. In the second semester, silviculture, the art of caring for forests is taken up. This includes the systems of cutting used in this country and abroad, the care and protection of forests, and their improvement and

regeneration. When practicable, the classroom discussions are illustrated by field work, lantern slides and other visual means.

Two hours. Through the year. Required of Sophomores that are candidates for the degree of B.S.F.

7. Surveying. Brief recitations and lectures accompanied by systematic field practice. The course includes: linear measurements; the adjustment and use of the engineer's transit; traversing; principles of land surveying; triangulation; topographic surveying; and determination of meridian by observation on Polaris.

Four days per week during the first five weeks after the close of the Sophomore year. In summer camp. Required of candidates for the degree of B.S.F.

8. Field Silviculture. Observation and field instruction in silvicultural systems, methods of marking, improvement cuttings, insects and fungi.

Two days per week during the first five weeks after the close of the Sophomore year. In summer camp. Required of candidates for the degree of B.S.F.

9. Engineering Office Work. A course in general methods of computing and mapping. Exercises in calculation of bearings, latitudes and departures, calculation of omitted measurements, of areas, and of earthwork. Drafting room methods, working up field notes preparatory to plotting, plotting traverses, plotting maps from field work done in summer camp, finishing the map including tracing and coloring.

One one-hour recitation period and two two-hour laboratory periods. First semester. Prerequisites: Trigonometry, Mechanical Drawing and Surveying.

10. Lumbering. This subject is divided into two parts: logging and lumber manufacture. Logging includes a study of logging tools, machinery and animals; labor and camps; felling and log-making; land transport both animal and power; water transport; timber slides and chutes; the construction of logging and freighting roads and railroads; bridges and trestles; trails and telephone lines. Lumber manufacture deals with the construc-

tion, equipment and arrangement of manufacturing plants, and the drying and finishing of the product.

Three hours. Second semester. Required of Juniors that are candidates for the degree of B.S.F.

11. Forest Entomology. The anatomy, classification, and identification of economically important forest insects. Insects in each group are studied with respect to their form, seasonal history, damage and control.

One one-hour period and two two-hour periods. First semester. Required of Juniors that are candidates for the degree of B.S.F.

[12. Forest Pathology. A study of the diseases of shade and forest trees.

Three hours. Second semester. Required of Juniors that are candidates for the degree of B.S.F. Not offered in 1920-1921.]

13. Forest Mensuration. Instruction largely by field work in log scaling and mill-scale studies; the methods of determining volume, volume growth, and yield of trees and stands; the preparation of volume tables, etc.; commereial timber estimating and mapping.

Four days per week during five weeks in late summer at Alfred, Maine, in summer camp. Required of candidates for the degree of B.S.F.

[14. Practise of Forestry. An advanced course in silviculture in which especial attention is given to the practical silvicultural treatment of New England woodlands. A review is made of the silvicultural characteristics of the more important New England trees, after which the silvicultural systems applicable to New England conditions are taken up, as well as improvement cuttings, nursery practice, planting, and special protection problems.

Three hours per week. Second semester. Classroom or field work at option of instructor. Required of Juniors that are candidates for the degree of B.S.F. Not offered in 1920-1921.]

15. Construction. Field and classroom work in principles of construction applicable to lumbering operations and general forest improvements. This course is designed to supplement the

course in Lumbering (F-10) and to demonstrate the principles of constructing roads, trails, bridges, and other improvements contributing to an efficient forest administration.

Two days per week during 5 weeks in late summer at Alfred, Maine. Required of candidates for the degree of B.S.F.

17. Wood Technology. In this course, the student is taught methods of preparation of wood and wood products for microscopic study, and by recitations and laboratory study of his own preparations receives thorough instruction in wood structure. This is followed by practice in the identification of the economically important woods of the United States by means of their macroscopic and microscopic characteristics. Record's "Economic Woods of the United States" is used as a text and key to identification.

Three hours. First Semester. Required of Seniors that are candidates for degree of B.S.F. Mr. Sawyer.

18. Forest Products. A study of the methods of manufacture and use of the principal forest products except lumber, which include: wood pulp and paper; tanning materials; veneers; slack cooperage; tight cooperage; naval stores; hardwood distillation; softwood distillation; charcoal; boxes and box shooks; cross ties; poles, posts, and piling; mine timbers; fuel wood; shingles and shakes; maple syrup and sugar; rubber; excelsior; and cork.

Three hours. Second semester. Required of Seniors that are candidates for the degree of B.S.F.

19, 20. Forest Management. This course aims to correlate and harmonize the principles and technical methods taught in the other forestry courses, with business considerations and the wishes of the forest owner. For convenience, the subject of Forest Policy is added to the topics normally treated under Management, namely, Mensuration, Finance, Regulation (including Working Plans) and Forest Administration.

Three hours. Through the year. Required of Seniors that are candidates for the degree B.S.F.

X. FRENCH.

The purpose of instruction in French is two-fold:

(1) To secure a thorough and exact appreciation of the language, literature and life of a nation which more than any

other in Europe has made large and lasting contributions to modern civilization in art, intellectual culture and literary attainment; and

(2) To afford a practical knowledge of the language indispensable almost, to all students pursuing scientific, political, social and commercial subjects.

French is elective throughout the course. Students are urgently advised to take at least one year of French in college during their course, and those who take Beginners' French, especially candidates for the B.S. degree, should arrange to take French for at least two years. A good reading knowledge of French, considered essential for the specialist in any profession, cannot be well attained in less time.

Students wishing to major in French should ordinarily select courses 5-6, 9-10 and one of the Senior courses, while those preparing to teach French should take at least six semester hours in French each year. The New England Modern Language Association recommends that at least one-third or one-fourth of the total number of hours required for a college degree should be considered a minimum for the preparation of the prospective teacher in his chosen language specialty, and only those, therefore, should seek recommendation to teaching positions in French who have fulfilled these minimum requirements.

The wide interest, large activity and unquestioned success obtained by France in the pursuit of scientific investigation, emphasizes the necessity of having access to its results. Course 17-18 offers to students in chemistry and biology and related sciences, in mathematics, physics, engineering and medicine, an opportunity to secure a practical knowledge of the scientific French expressions, valuable to all students who look forward to post-graduate work in technical and other institutions.

1, 2. BEGINNER'S FRENCH. Pronunciation, Grammar, Reading, Composition.

Three hours. Through the year. Elective for Freshmen.

3, 4. INTERMEDIATE FRENCH. A course in general and historical prose. Grammar and Composition.

Three hours. Through the year. Elective for Freshmen and Sophomores that present Elementary French for Admission.

5, 6. Advanced French. Reading in authors belonging to special periods of French Literature.

Three hours. Through the year. Elective for students that have passed course 4 or that have passed the examination in Advanced French for admission.

7, 8. A Teacher's Course in Conversation and Advanced French Composition. The course furnishes practice in speaking and writing French. It consists of dictations, composition, readings and talks in French and aims to enable the student to understand readily French when spoken and to give him thorough training in the use of the idioms of the language. Weekly lectures are also given, together with discussions on the practice and methods of teaching, and opportunities for actual teaching are provided.

Three hours. Through the year. Elective for students that have passed in course 6 and for others with the consent of the instructor.

9, 10. General Survey of French Literature. Lectures, reading, themes.

Three hours. Through the year. Elective. Course 6 prerequisite.

11, 12. French Literature of the Sixteenth and Seventeenth Centuries. Lectures, themes and collateral reading.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

13, 14. French Literature in the Eighteenth Century. Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

15, 16. French Literature in the Nineteenth Century. Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

17, 18. Scientific French. A course in scientific French is offered, intended to furnish facility in reading and understanding writings of a scientific character. Daniel's Scientific French Reader will be used, followed by texts on specific subjects in special departments, and the reading and discussion of articles from scientific journals.

One hour. Through the year. Elective. Course 6 prerequisite. By special arrangement this course may also be taken in conjunction with courses 7 and 8 to count for three hours.

XI. GEOLOGY.

1. Physical Geology. A study of the broad facts and principles of the science of the work of the atmosphere; of rain and running water; of lakes and the ocean; of ice as a geological agent; of underground water; of volcanoes and earthquakes; of the general structure of the Earth and the chief classes of rocks; the origin and history of mountains; and the leading facts about ore deposits.

Three periods of one or two hours each. First semester. Elective for Juniors and Seniors.

2. Historical Geology. A study of the origin of the Earth and its chief relations to the heavenly bodies; of its development throughout the eras of geological time; and the rise and changes of the principal types of animal and plant life. Special attention is given to the history of the North American Continent and its life; to the problem of the age of the Earth, and man's place in nature.

Three periods of one or two hours each. Second semester. Elective for Juniors and Seniors.

3. Economic Geology. A study of the nature, mode of occurrence and uses of the earth-substances which have commercial and industrial importance.

Three periods of one or two hours each. First semester. Elective for those that have passed in Geology 1.

4. Geography. A survey of the earth interpreted geologically and related to human activities.

Three hours. Second semester. Elective for those that have passed in Geology 1 and 2.

XII. GERMAN.

German is offered throughout the four years, three hours per week.

The aim of the Elementary German is the acquisition of a thorough knowledge of the fundamentals of German grammar and the ability to translate into good English all texts read. The aim of German 3-10 is an introduction to the masterpieces of the German drama of the classical period, a general knowledge of the history of German literature, and a comprehensive view of the tendencies in German literature since Goethe's death.

Careful drill in pronunciation and the intelligent reading of the German text are insisted upon. Some practice in conversation is given, and German is used in the class-room as far as is deemed advisable by the instructor. In the elective courses a large amount of collateral reading outside the class-room is expected. Advanced grammar and composition are not lost sight of throughout the course, although no specialty is made of these subjects after the first year.

1, 2. ELEMENTARY GERMAN. Grammar, composition, pronunciation, dictation, reading of graded selections of German prose and poetry.

Three hours. Through the year. Elective for Freshmen and Sophomores.

3, 4. INTERMEDIATE GERMAN. Modern prose, narrative and dramatic. Selected works from such authors as Baumbach, Freytag, Grillparzer, Heyse, Keller, Riehl, Storm, and Wildenbruch. Review of the grammar of the first year, and study of the syntax based on the texts read. Prose composition.

The purpose of German 3 and 4 is to give the student facility in reading standard modern narrative prose.

Three hours. Through the year. Elective for Sophomores and Juniors. German 1 and 2 prerequisites.

3a, 4a. REVIEW OF GRAMMAR, PROSE COMPOSITION, SIMPLE CONVERSATION, READING OF SELECTED WORKS FROM MODERN AUTHORS. Intended primarily for Freshmen who present advanced German for entrance to college.

Three hours. Through the year.

5, 6. Introduction to German Literature of the Eighteenth Century. Selected dramas from Lessing, Goethe, and Schiller. The purpose of German 5 and 6 is an introduction to the latest classical period in the history of German Literature. The work of the first semester deals mainly with Lessing, and with the Storm and Stress period as exemplified in the early works of Goethe and Schiller; during the second semester emphasis will be laid on the later works of Goethe and Schiller as expressive of the classical sympathies of the two poets.

German 5 and 6 can be pursued to best advantage by Juniors that have had German 3 and 4. Juniors that have had only German 1 and 2, and that do not plan to elect German 7 and 8, are recommended to elect German 3 and 4.

Three hours. Through the year. Elective for Juniors.

7. Goethe's Faust. Part I and selected portions of Part II. In addition to a critical study of the text, special attention is given to the genesis and the development of the Faust legend, and to the life of Goethe as reflected in Faust. Collateral reading in connection with the Faust theme.

Three hours. First semester. Elective for Seniors.

8. Introduction to German Literature of the Nineteenth Century. A rapid survey of the most important movements of the nineteenth century, with illustrative readings from various representative writers. The emphasis for the current year will be placed on the works of Hauptmann and Sudermann.

Three hours. Second semester. Elective for Seniors.

9, 10. Outline History of German Literature. German 9 and 10 are intended primarily for Juniors that presented advanced French and German for admission, and have taken German 5 and 6. The work in the history of the literature, one hour a week, will be supplemented by an intensive study of some literary movement or author of the nineteenth century. The subject for 1920-1921 will be: The Romantic Movement in Germany.

Three hours. Through the year. Elective for Juniors after consultation with the instructor.

11, 12. Scientific German. These courses are intended for students that wish to acquire a reading knowledge of scien-

tific German. During the first semester a general science reader, such as Meisnest's Introduction to Scientific German, Wait's German Science Reader, or Wallentin's Grundzüge der Naturlehre is used. The work of the second semester depends largely upon the demands of the class. If desired, a monograph dealing with some particular phase of biology, chemistry, or physics is read.

One hour. Through the year. Elective for Juniors and Seniors.

13, 14. Teachers' Course in German. German 13 and 14 are presented to students wishing to teach German. The work includes a general review of German grammar, the essentials of phonetics, practice in German conversation and a discussion of the problems, aims, text-books, and theories of instruction with respect to the German language and literature.

One hour. Through the year. Elective for Seniors.

XIII. GREEK.

The courses are so arranged as to give the student a first-hand acquaintance with nearly all the divisions of the wide and varied field of Classical Greek Literature. The foremost purpose is to lead to an appreciation of the individual masterpieces read. At the same time the student is encouraged to become acquainted with the entire groups of which these separate works are specimens, and with the history, civilization and art of the periods to which they belong. Lectures and class and individual assignments of library work serve to enlarge the outlook gained from study of a single text. With the same end in view as many additional works as possible are covered through sight reading, and the reading and discussion of translations. While drill in grammar and syntax is not made the main end, accuracy and precision in these subjects are insisted upon throughout the course. Another constant purpose is to prepare intelligent and enthusiastic teachers of the Classics.

Students entering with complete or partial preparation in Greek will be admitted to course 5 or 7, or to course 3, according to the extent of their preparation. Special attention is called to courses 11 and 12, which require no knowledge of the Greek language, but are intended to bring the student, through English versions, into acquaintance with the whole range of Greek drama.

1, 2. First Year Greek. Grammar and composition, and reading of the Fourth Book of Xenophon's Anabasis.

Three hours. Through the year. Elective for Freshmen.

2a. Greek Literature. History and study of representative works and illustrative passages in English versions. Text-book, lectures, class-room study and library assignments. No knowledge of Greek is necessary.

Three hours. Second semester. Elective for Freshmen.

3, 4. Second Year Greek. Selections from Herodotus and Homer; the Alcestis of Euripides. Review of grammar and syntax.

Three hours. Through the year. Elective for Sophomores.

5. Plato, Apology and Crito, and selections from the Republic.

Three hours. First semester. Elective for Juniors and Seniors.

6. Epic Poetry. Reading of selected books of the Iliad and of intervening passages in English versions; survey of the Odyssey; brief study of the epics of other literatures.

Three hours. Second semester. Elective for Juniors and Seniors.

[7. The Greek Tragic Poets. One play each of Aeschylus, Sophocles and Euripides will be read in the original, and most of the other plays studied in English versions.

Three hours. First semester. Elective for Juniors. Not offered in 1920-1921.]

[8. Greek Lyric Poetry.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1920-1921.]

9, 10. New Testament Greek. The first semester the Gospel of John and the Book of Acts will be read. In the second semester the work will alternate, one year comprising the Gospel of Luke and the non-Pauline epistles, the succeeding year selected epistles of Paul. This course is very strongly recommended for all students preparing for the ministry, Christian Association or

kindred work. It is open to all who have completed Second Year Greek, and to those who have ocmpleted First Year Greek, if judged proficient by the instructor.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

11, 12. The Greek Drama in English Versions. No knowledge of Greek is required for these courses. All the plays of Aeschylus and Sophocles will be read, and selected plays of Euripides, Aristophanes and Menander. Some attention will be given to the history of the development of the drama, but the main purpose will be the study of the plays as works of literature.

Three hours. Through the year. Elective for Juniors and Seniors.

XIV. HISTORY AND GOVERNMENT.

History

1. Greek and Roman Statesmanship. Greek and Roman History, studied with special reference to the problems encountered by statesmen in foreign relations and domestic politics.

Three hours. First semester. Elective for Freshmen. Professor Chase.

2. Mediaeval Europe. A survey of the Roman Empire, the invasions of the German tribes, and a more detailed study of the Mediæval period. Special attention is given to such topics as Feudalism, the Crusades, the Church, and the Renaissance.

Three hours. Second semester. Elective for Freshmen. Professor Chase.

3. The Modern Age. The development of the leading Continental European nations up to 1789. A detailed study of the political and constitutional development of England is made.

Three hours. First semester. Elective for Sophomores, Juniors and Seniors.

4. History of Europe from *1815* to *1920*. The Reconstruction of Europe; the Revolution of 1848; unification of Italy and Germany; social and industrial progress; international rivalries; causes of the Great War; brief survey of governments of England, France and Germany.

Three hours. Second semester. Elective for Sophomores, Juniors and Seniors.

5. American History to *1829*. A study of the establishment of the various European Colonies in America, their expansion, their political, social, and economic development, the struggle between the French and the English for the possession of North America, the causes and progress of the Revolutionary War, the formation of the Constitution, and the rise of political parties.

Three hours. First semester. Elective for Juniors and Seniors.

6. American History, *1829* to the Present Time. Attention is centered upon the growth of nationality, upon the political phase of the controversy over slavery, upon the Civil War and Reconstruction, and upon the more important features of recent American History. Course 3 must precede course 4.

Three hours. Second semester. Elective for Juniors and Seniors.

7. World Politics. Europe and Asia. A study of intervention and diplomacy in Asia, particularly the relation of European states with China, Japan and Asia Minor.

Three hours. First semester. Prerequisite, History 4.

8. The Teaching of History. A study of the problems of secondary instruction with particular reference to history. Lectures on the place of history, the selection and use of text-books and other aids to historical instruction. Lesson plans and the results of observation of actual teaching will be discussed. The teaching of civics will receive some attention.

One hour. Second semester. Elective for students that have had a minor in history.

Government

1. American Federal Government and Party System. A study of the American government, its executive, legislative and judicial departments, together with a study of the relation of the states to the nation and the American Party System, including a sketch of parties, party leaders and of presidential elections, with a study of party machinery and current party problems. Comparisons will be made with two or three European governments, particularly with reference to England.

Three hours. First semester. Elective for Juniors and Seniors.

2. State and Municipal Government in the United States. During the first part of the semester the state governments will be considered with attention to the problems which they present in the light of recent social and industrial developments. Most of the time will be given to a study of municipal government. This study will include: the history and development of municipal government in America; the organs of city government and their relation to each other; the relation of the municipality to public service corporations, and the problems of municipal ownership.

Two hours. Second semester. Elective for Juniors and Seniors.

3, 4. Practical Politics. A brief survey of government of cities, counties, state and nation.

One hour. First and second semesters. Elective for women of the Junior and Senior classes.

XV. HOUSEHOLD ECONOMY.

The purpose of this department is to deepen interest in Woman's Work by directing those who are becoming intellectual women to their special contribution to civilization in the home problems of the nation, the city, the town, the institution, or the private home. Its trend is cultural rather than vocational, as best fitted to the Academic College. The work covers four semesters.

BACTERIOLOGY AND SANITATION

The courses aim at making the student a more effective member of the home and of the community through an appreciative acquaintance with approved modern methods of household and municipal sanitary administration.

1. Bacteriology deals with the place of the microscopic fungi in nature, and with the structure, life history, and vital activities of yeasts, molds, and various types of bacteria. This study makes possible an understanding of the principles that govern growth and reproduction.

One hour. First semester. Required of Sophomores.

2. Sanitation applies these principles to the problems of personal, household, and municipal cleanliness; the construction and care of storage facilities; care, inspection, and sale of food

supplies; construction and care of sanitary appliances; drainage; the disposal of wastes; disease, infection, immunity; the sick room; care of the public health, etc. Illustrations are taken from examples of progressive municipal sanitary practice. The place of bacteria in the industries, and their relation to the fertility of the soil are also briefly discussed. Lectures, papers, discussions.

One hour. Second semester. Required of Sophomores.

Household Management

1, 2. In this course is discussed the wise division of the income for different needs; for food, housing, educational opportunities, amusements, social betterment, together with questions of marketing, selection of meats, etc., for greatest economy and nutrition, of diet for sick and well, of choice of architecture for home, location, lighting, ventilation; of furnishings for utility and beauty, and economy and suitability in clothes.

One hour. Through the year. Elective for Juniors and Seniors.

XVI. LATIN.

Latin is offered throughout the four years three hours a week, except in Latin A, Latin B, and Latin 4a. The courses for Juniors and Seniors are given in alternate years, and are open to both classes.

The courses of study in this department have been arranged with the belief that an acquaintance with Latin literature is an essential of real culture. An effort is made to cultivate the ability to read Latin easily and at sight, to secure grace in translation, an appreciation of the literary worth of the author, and a clear mental picture of the life and times in which each wrote

Students intending to devote themselves to the teaching of Latin are advised to pursue the study of Latin for at least three years, and of Greek for at least two.

Latin A. A thorough review of the fundamental principles of Latin Grammar, and the study of selections from Vergil's Æneid.

Four hours. Through the year. Required of Freshmen that offer only three years of Latin for admission, and are candidates for the degree of Bachelor of Arts.

Latin B. Selected orations of Cicero, selections from Vergil's Æneid, elementary Latin Composition.

Four hours. Through the year. Required of Freshmen that, entering as candidates for the degree of Bachelor of Science, offer only two years of Latin, but desire to qualify for the degree of Bachelor of Arts. Mr. Forbes.

1. CICERO: Tusculan Disputations, Book I.

Three hours. First semester. Required of Freshmen that offer Advanced Latin for admission, and are candidates for the degree of Bachelor of Arts.

2. HORACE: Odes, Epodes, and *Carmen Saeculare.*

Three hours. Second semester. Required of Freshmen that have taken Latin 1 and are candidates for the degree of Bachelor of Arts.

3. CICERO: *De Senectute, De Amicitia,* and The Dream of Scipio.

Three hours. First semester. Elective for Sophomores.

4. LATIN COMEDY: Two plays of Plautus, and one of Terence.

Three hours. Second semester. Elective for Sophomores.

4a. LATIN COMPOSITION. This course is designed to meet the needs of students that expect to teach Latin.

One hour. Through the year. Elective for Sophomores, Juniors, and Seniors.

[5. JUVENAL: Selected Satires. Martial: Selected Epigrams.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course. Not offered in 1920-1921.]

[6. TACITUS: Selections.

Three hours. Second semester. Elective for Juniors and Seniors that have completed at least two elective courses. Not offered in 1920-1921.]

7. PLINY THE YOUNGER: Selected Letters. Tibullus, Propertius, and Ovid: Selected Elegies.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course.

8. Horace: Selected Satires and Epistles.

Three hours. Second semester. Elective for Juniors and Seniors that have completed at least two elective courses.

XVII. MATHEMATICS.

1. Algebra and Solid Geometry. Ratio and proportion, variation, series, binomial theorem, undetermined coefficients, logarithms, permutations and combinations, continued fractions, theory of equation, graphic algebra. Wells' College Algebra. This portion of the work closes before the holiday vacation, and the remainder of the semester is given to solid geometry, which includes polyhedral angles, the various solids bounded by planes, the cone, the cylinder, and the sphere. This course includes a large amount of original work in demonstration and computation. Phillips and Strong's Elements of Geometry.

Three hours. First semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

2. Solid Geometry and Trigonometry. Plane Trigonometry with problems and applications. Phillips and Strong's Trigonometry.

Three hours. Second semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

3. Spherical Trigonometry, Surveying and Plane Analytic Geometry. This is a continuation of course 2, with problems and applications to astronomy. This portion of the work closes the fourth week and the remainder of the time before the holiday recess is given to surveying which includes the theory of chain, compass, and transit surveying, leveling, the adjustment and use of instruments, computation of area, and scale drawings. Raymond's Plane Surveying. The remainder of the term is given to Plane Analytic Geometry. A study of the point and line. Tanner and Allen's Analytic Geometry.

Three hours. First semester. Elective for Sophomores.

4. Analytic Geometry. A continuation of course 3. The circle and transformation of co-ordinates, conic sections, equation of second degree, elements of solid analytic geometry.

Three hours. Second semester. Elective. Course 3 prerequisite.

5. Differential Calculus. Differentiation of algebraic and transcendental functions with application to problems, change of the variables in derivatives, maxima and minima of functions of two or more independent variables, curve tracing, envelopes. Osborne's Differential and Integral Calculus.

Three hours. First semester. Elective. Courses 3 and 4 prerequisites.

6. Integral Calculus. Various methods of integration with applications.

Three hours. Second semester. Elective. Courses 3, 4, and 5 prerequisites.

7. Integral Calculus Completed and Differential Equations. Integration as a summation, successive integration, surface, volume and moment of inertia of any solid, center of gravity, pressure of fluids, force of attraction. This portion of the work closes with the tenth week of the first semester and the remainder of the semester is given to Differential Equations (Elementary course). Solution of ordinary and partial differential equations with applications to geometry and physics. Campbell's Differential Equations.

Three hours. First semester. Elective. Courses 3 to 6 prerequisites.

8a. Differential Equations Completed. This is a continuation of course 7 and closes before the spring vacation.

8b. Determinants and Theory of Equations. This course is devoted to determinants, complex quantities, properties of polynomials, general properties of equations, symmetric functions, limits and separations of the roots of an equation, elimination and solution of numerical equations. Barton's Theory of Equations.

Three hours. Second semester. Elective for Seniors.

XVIII. PHILOSOPHY.

1. Psychology. A general introductory course in the elements of mental activity. The neurological basis of conscious processes is examined, and data thus gained are applied to the explanation of human behavior. The biological point of view is kept constantly in mind.

This course serves as a foundation for the work in Education.

Three hours. The course is given each semester. Elective for Sophomores and Juniors.

2. Social Psychology. A more intensive and extended study of psychological principles and of their application to the practical problems of individual and social development.

Three hours. First semester. Elective for students that have had course 1.

3. Logic. A study of the principles underlying correct thinking, both deductive and inductive. Practical exercises will be used throughout the course to give the student practice in analyzing argument and in detecting fallacies. The epistemological bearing of the subject will also be examined.

Three hours. Second semester. Elective for students that have had course 1.

4. History of Philosophy. The aim of the course is to familiarize the student with the fundamental problems of philosophy as they have developed historically and to give him some exercise in critical and constructive thinking.

Three hours. First semester. Elective for Juniors and Seniors.

5. Introduction to Philosophy. A general introduction to the field of Philosophy by the topical plan. After a brief survey of the various problems with which Philosophy deals, some of the most important ones are taken up for a more intensive study.

Three hours. First semester. Elective for Juniors and Seniors. Not offered in 1921-1922.

6. The Philosophy of Evolution. An historical and critical examination of the evolutionary hypothesis to determine its bearing on the problems of Metaphysics, Ethics, and Religion, and its authority in these fields.

Three hours. Second semester. Elective for Juniors and Seniors.

7. Ethics. A course in the history, theories, and applications of morality. After a brief summary of the course of moral development, an examination of various ethical theories is made with a view to finding a satisfactory basis for individual and social

morality. Stress is then laid upon the application of ethical principles to the problems and conditions of life today.

Three hours. Second semester. Elective for Juniors and Seniors.

XIX. PHYSICS.

1, 2. Elementary Mechanics. General Physics.

Four hours. Through the year. Required of Sophomores that are candidates for the degree of B.S.

Courses 1, 2 form the basis for advanced work in physics. They treat of the fundamental principles of the entire subject, mechanics of solids, liquids, and gases, heat, magnetism and electricity, sound, and light. While emphasis is placed on the mathematical treatment of the subjects, considerable attention is given to the descriptive and historical aspects of physics.

The laboratory work is purely quantitative and is designed to illustrate the principles studied in the class-room, to train the student's power of observation, and to give him some technical knowledge of physical measurements.

3, 4. General Physics.

Two recitation periods and one two-hour laboratory period per week. Through the year. Elective for Sophomores that are candidates for the degree of A.B.

Courses 3, 4 are designed to meet the needs of students that intend to teach physics in a High School. The cultural rather than the technical side of the subject will be emphasized. A representative high school text will be discussed in the class-room, while the laboratory work will include many experiments suitable for use in secondary schools.

5, 6. Laboratory Physics.

Three two-hour periods. Through the year. Elective for Juniors. Physics 3, 4 and Mathematics 3, 4 prerequisites.

Courses 5, 6 are designed to give the student a good working knowledge of practical physics. The problems studied include the calibration and standardization of various measuring instruments; the determination of specific heat; experiments on the diffraction and interference of light, spectrum analysis; measurements of currents, electromotive forces, capacities, and magnetic

constants. The apparatus available for these courses is of high grade and includes standards of length, resistance, capacity, etc., certified by the Physikalisch-Technische Reichsanstalt.

7, 8. Laboratory Physics (advanced course).

Three three-hour periods per week. Through the year. Elective for Seniors. Physics 5, 6 and Mathematics 5, 6 prerequisites.

This course compises elecrtrical measurements of precision: including high and low resistance, temperature coefficients of resistance, absolute capacity determinations, current and potential measurements with the potentiometer and standard cells, magnetic properties of iron, etc. The student is expected to arrange the necessary apparatus and to construct in the shop such subsidiary apparatus as may be needed. He is required to make use of the reference library in studying the various methods employed in practical and absolute electrical measurements.

9, 10. Advanced Electricity and Dynamos and Motors.

Three hours per week. Through the year. Elective for Seniors. Physics 5, 6 and Mathematics 5, 6 prerequisites.

A study of the theory, construction, and operation of direct and alternating current apparatus: generators, motors, synchronous converters, transformers, etc. The solution and discussion of a large number of practical problems forms an important part of the work. Experimental illustration in the laboratory is correlated with the class-room work.

11, 12. Analytical Mechanics.

Three hours per week. Through the year. Elective for Seniors. Mathematics 5, 6, 7 prerequisites.

XX. PUBLIC SPEAKING.

The required work in Oratory of the Freshman and Sophomore years is largely preparatory in its nature, and deals with the technical side of Public Speaking. The student is shown the relation of the mind to Vocal and Pantomimic Expression, and is taught to think more clearly and definitely. Concentration, sequence of ideas and conception are studied the Freshman year, and the logical action of the mind, as shown by the various methods of emphasis, is discussed and exemplified the Sophomore

year. Vocal and Pantomimic training is studied and attention is called to faults of tone and bearing, and to mannerisms and defects in speech.

1. The Study and Development of Elemental Thought Processes as Related to Vocal Expression. Attention. Sequence of ideas. Conception.

Vocal training. Correct method of breathing. Openness of tone passage. Preparatory actions for speech. Ease, freedom, and openness in tone production. The study of articulation, enunciation, and pronunciation.

Prize Speaking, in which every member of the Freshman Class is prepared by special instruction and drill, and in which the principles studied in class are applied to public speaking.

One hour. Second semester. Required of Freshmen.

2. The Development of the Logical Instinct in Speaking. The study of Emphasis and its various forms of expression. Inflection. Change of Pitch. Pause. Antithesis. Subordination. Movement. Force.

Vocal Training, to secure control of breath and elasticity of tone.

One hour. First semester. Required of Sophomores.

Prize Speaking, in which every member of the Sophomore Class is prepared by special instruction and drill.

One hour. First semester. Required of Sophomores.

3. Public Speaking. Beginning with the simplest forms of extempore speaking, each student is required to describe before the class something from his own experience, as a visit to some large city, a noted building, a work of art, a journey taken, until some freedom in speaking before the class has been gained, and then the parts of the speech (the introduction, statement, body and conclusion) are studied and more finished speeches are made by the students. These speeches are criticised for form and manner of delivery, by the students and instructor.

Special training for students competing for the Junior Prize Speaking.

One hour. Second semester. Elective for Sophomores.

4. Public Speaking (continued.) This course is open to the members of the Junior and Senior classes who have completed the preceding courses. The various forms of "Speeches for Special Occasions" are studied and original examples are presented by each member of the class.

One hour. First semester.

5. Development of the Dramatic Instinct. The study of a Shakespearean play and short scenes from the old comedies.

One hour. Second semester. Elective for Seniors.

6. Class in Methods of Teaching Elocution and Oratory designed to aid those who may have to coach students in Prize Speaking contests and Graduating Parts.

One hour. Second semester. Elective for Seniors.

XXI. SPANISH

1, 2. Elements of Spanish. Pronunciation, grammar, composition, translation of graded selections of prose and poetry, sight-reading and dictation.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

3, 4. Advanced Readings in Spanish Classics, and Composition. Studies in Spanish-American Literature.

Three hours. Through the year.

5, 6. Studies in Modern Spanish. Composition; commercial and industrial Spanish; history of Spanish language and literature.

Three hours. Through the year.

XXII. HYGIENE AND PHYSICAL EDUCATION

In the Departments of Hygiene and Physical Education required courses are given both to men and women; courses in Physiology are required of men and women in the Freshman year.

Physical Training courses count as required courses, and receive credit in semester hours on the same basis as laboratory work: the work in military training, when offered, counts toward the Physical Training credits for the semester. The total number of hours' credit for Physical Training, however, shall not exceed nine semester hours for the four years.

Hygiene for Men

The Director of Physical Training gives each young man entering the Freshman Class a thorough physical examination during the first term of his attendance at College. From the measurements and strength tests taken, a chart is made out for each student, showing his size, strength, and symmetry, in comparison with the normal standard, and also what parts of the body are defective in either strength or development. A handbook containing the exercises prescribed for the correction of any physical defects shown by his chart, and giving specific directions in regard to diet and bathing, is furnished each student.

1, 2. Physiology, Anatomy, and Hygiene. Instruction in this course is given by lectures and recitations. This course is devoted chiefly to Physiology and Hygiene with emphasis placed upon Hygiene. "The Human Mechanism" by Hough and Sedgwick is used as a text. A course of practical lectures dealing with certain phases of personal hygiene: ways and means of securing and conserving health; habits; causes of disease; carriers of disease; defences against disease.

Two hours. Through the year. Required of Freshmen.

Physical Training for Men

1. Class Exercises: Military drill, setting-up exercises, and Indian-club swinging. Squad exercises (graded to suit the strength of each division): Basketball, indoor athletics, chest-weights, developing appliances, bar, rings, etc. From the first of November to the first of April. Required of Freshmen.

2. Class Exercises: Setting-up exercises, dumb-bell drill. Squad exercises: Boxing, wrestling, and heavy gymnastics, basketball, indoor athletics. Required of Sophomores.

3. Class Exercises: Setting-up exercises. Squad-exercises: Basketball, indoor athletics, heavy gymnastics. Required of Juniors.

Hygiene and Physical Education for Women

1. Hygiene, Anatomy and Physiology. This course aims to give a practical knowledge of the structure and operation, proper management, protection and care of the human body.

Two hours. Through the year. Required of Freshmen.

2. Physical Training: in the gymnasium or outdoors. This branch of the work aims at the promotion of bodily health and strength, the correction of faulty postures, relaxation from mental work, and the development of precision, alertness and grace of movement.

(a) Class Exercises: Swedish gymnastics, marching, apparatus work, and folk dancing, in the winter. A choice of field hockey, tennis and hiking in the fall; baseball, tennis and track in the spring.

Three hours. Through the year. Required of Freshmen.

(b) Class Exercises: Advanced Swedish gymnastics, marching, apparatus work, and æsthetic dancing. A choice of sports in the fall and spring.

Three hours. Through the year. Required of Sophomores.

NOTE—A careful physical and medical examination is made of each new student by a woman physician and the physical director, to ascertain her abilities and limitations.

A fee of $15.85 is charged to cover the expense of gymnasium suit, shoes, dues to the Athletic Association for the first semester, medical examination, etc.

(c) Class Exercises: Indian club, wand, or dumb-bell drill, marching, apparatus work, and æsthetic dancing. A choice of sports in the fall and spring.

Three hours. Through the year. Required of Juniors.

(d) Gymnastic Teaching. A study of the teaching of Swedish gymnastics. Especially adapted for those wishing to supplement the teaching of other subjects with gymnastics and coaching sports. Interpretive dancing. Sports.

Two hours. Through the year. Elective for Seniors.

3. Corrective and Light Gymnastics. Special exercises to overcome faults in posture, also special exercises for those who have physical limitations.

Three hours. Through the year. Required of those in the three lower classes who do not take any of the courses under 2.

The Gymnastic Meet ends the indoor work. All sports including volley ball and basketball are played off by class teams.

Athletic Association. A student organization to help promote interest in physical education in general. The sports are carried on under its direction with the help of the director. All sports are supervised. Dues: $2.00 a semester.

OUTLINE OF STUDIES

The figure preceding a subject indicates the number of the course in that study as explained on pages 38 to 77. The figure following a subject indicates the number of exercises per week. Electives are italicized. The left-hand column in the Freshman year shows the arrangement of courses for students who are candidates for the A.B. degree; the right-hand column, the arrangement for candidates for the B.S. degree Subjects in square [] are not offered in 1920-1921.

FRESHMAN YEAR

First Semester

A.B.			B.S.		
1	English	3	1	English	3
1	Latin	3	1	Forestry (B.S.F.)	1
	Latin A	4	1	Mathematics	3
	Latin B	4	1	†Physical Education	3
1	†Physical Education	3	1	Physiology	2
1	*Physiology	2	1	*Biblical Literature*	3
1	*Biblical Literature*	3	1	*Chemistry*	3
1	*Chemistry*	3	1	*Economics*	3
1	*Economics*	3	1, 3, 5	*French*	3
1, 3, 5	*French*	3	1, 3, 3a	*German*	3
1, 3, 3a	*German*	3	1	*Latin*	3
1	*Greek*	3	1	*History*	3
1	*History*	3			
1	*Mathematics*	3			

Second Semester

A.B.			B.S.		
2	English	3	2	English	3
2	Latin	3	2	Forestry (B.S.F.)	1
	Latin A	4	2	Mathematics	3
	Latin B	4	1†	Physical Education	3
1	†Physical Education	3	1a*	Physical Education	3

*Required of women. †Required of men.

1*a*	*Physical Education	3	2	Physiology	3
2	Physiology	3	1	Public Speaking	1
1	Public Speaking	1	2	*Biblical Literature*	3
2	*Biblical Literature*	3	1	*Biology*	3
1	*Biology*	3	2	*Chemistry*	3
2	*Chemistry*	3	1	*Economics*	3
1	*Economics*	3	2, 4. 6	*French*	3
2, 4, 6	*French*	3	2*a*	*Greek*	3
2, 4, 4a	*German*	3	2, 4, 4*a*	*German*	3
2*a*, 2	*Greek*	3	2	*History*	3
2	*History*	3	2	*Latin*	3
2	*Mathematics*	3			

*Required of women. †Required of men.

SOPHOMORE YEAR

For differences between the A.B. and B.S. courses after the Freshman year consult Major and Minor Requirements on pages 85-86.

3	English	3	5, 7, 9	*French*	3
3	Forestry (B.S.F.)	3	1, 3	*German*	3
5	Forestry (B.S.F.)	2	3, 9	*Greek*	3
2	**Physical Education	3	3	*History*	3
3	*Physical Education	3	3	*Latin*	3
1	Physics (B. S.)	4	3*a*	*Latin*	1
2	Public Speaking	1	3	*Mathematics*	3
3	*Biblical Literature*	3	3	*Physics* (A.B.)	3
1	*Botany*	3	1	*Psychology*	3
3	*Chemistry*	3	1	*Spanish*	3
2	*Economics*	3	1	*Zoology*	3

*Required of women. **Required of men.

Second Semester

4	Forestry (B.S.F.)	3	2	*Sanitation	1
6	Forestry (B.S.F.)	2	4	*Biblical Literature*	3
2	Physics (B.S.)	4	4	*Chemistry*	3
2	**Physical Education	3	1	*Biology*	3
3	*Physical Education	3	2	*Botany*	3
2	Physics (B.S.)	4	3, [5], 6	*Economics*	3

4*a*, 4*b*, 5 *English*	3	3	*Logic*	3
6, 8, 10 *French*	3	4	*Mathematics*	3
2, 4 *German*	3	4	*Physics* (A.B.)	3
4, 10 *Greek*	3	1	*Psychology*	3
4 *History*	3	3	*Public Speaking*	1
4 *Latin*	3	2	*Spanish*	3
4*a* *Latin*	1	2	*Zoology*	3

*Required of women. **Required of men.

JUNIOR YEAR

First Semester

7 English	4	3	*Government*	1
9, 11 Forestry (B.S.F.)	3	5, [7], 9	*Greek*	3
3 †Physical Education	3	11	*Greek Drama*	3
3 *Physical Education	2	11	*Hebrew*	3
1 *Astronomy*	3	3, 5	*History*	3
[5], 7 *Biblical Literature*	3	7	*History*	3
1 *Botany*	3	1	**Household Management*	1
5, 10, 14 *Chemistry*	3	3*a*	*Latin*	1
2, [4], 7 *Economics*	3	[5], 7	*Latin*	3
1 *Education*	3	5	*Mathematics*	3
6 *English*	3	4, 5	*Philosophy*	3
1 *Fine Arts*	3	5	*Physics*	3
5, 7, 9, 11, 13, 15 *French*	3	1, 2	*Psychology*	3
17 *French*	1	4	*Public Speaking*	1
1, 3 *Geology*	3	1	*Sociology*	3
5, 9 *German*	3	1, 3	*Spanish*	3
11 *German*	1	3	*Zoology*	3
1 *Government*	3			

*Required of women. **Elective for women. †Required of men.

Second Semester

10,[12],[14]Forestry (B.S.F.)	3	3, [5], 6	*Economics*	3
3 †Physical Education	3	[2], 4	*Education*	3
3 *Physical Education	3	8	*English*	4
2 *Astronomy*	3	7	*Ethics*	3
[6], 8 *Biblical Literature*	3	6, 8, 10, 12, 14, 16	*French*	3
2 *Botany*	3	18	*French*	1
6, 11, 15 *Chemistry*	3	2, 4	*Geology*	3

6, 10 *German*	3	4*a* *Latin*	1
12 *German*	1	[6], 8 *Latin*	3
2 *Government*	3	6 *Mathematics*	3
4 *Government*	1	6, 7 *Philosophy*	3
6, [8], 10 *Greek*	3	6 *Physics*	3
12 *Greek Drama*	3	1 *Psychology*	3
12 *Hebrew*	3	2, [3] *Sociology*	3
4, 6 *History*	3	2, 4 *Spanish*	3
8 *History*	1	4 *Zoology*	3
2 ****Household Management*	1		

*Required of women. **Elective for women. †Required of men.

SENIOR YEAR

First Semester

17, 19 Forestry (B.S.F.)	3	[5], 7 *Latin*	3
3 Physical Education	2	7 *Mathematics*	3
1 *Astronomy*	3	4, 5 *Philosophy*	3
[5], 7 *Biblical Literature*	3	2 *Psychology*	3
8, 10, 14 *Chemistry*	3	7, 9, 11 *Physics*	3
2, [4], 7 *Economics*	3	4 *Public Speaking*	1
3 *Education*	3	1 *Sociology*	3
6 *English*	3	7 *German*	3
9 *English*	4	11, 13 *German*	1
1 *Fine Arts*	3	1 *Government*	3
7, 9, 11, 13, 15 *French*	3	3 *Government*	1
17 *French*	1	5, [7], 9 *Greek*	3
1, 3 *Geology*	3	11 *Greek Drama*	3
11 *Hebrew*	3	1, 3 *Spanish*	3
3, 5 *History*	3	5 *Zoology*	3
7 *History*	3	7*a* *Zoology*	2
1 ****Household Management*	1	7*b* *Zoology*	1
4*a* *Latin*	1		

*Required of women. **Elective for women.

Second Semester

18, 20 Forestry (B.S.F.)	3	4 *Government*	1
2 *Astronomy*	3	6, [8], 10 *Greek*	3
[6], 8 *Biblical Literature*	3	12 *Greek Drama*	3
9, 11, 15 *Chemistry*	3	12 *Hebrew*	3
[1], 3, 5, [6] *Economics*	3	4, 6 *History*	3
4, 6 *Education*	3	8 *History*	1
6*a* *Education*	1	2 ****Household Management*	1
5 *Education*	2	4*a* *Latin*	1
7 *Ethics*	3	[6], 8 *Latin*	3
10 *English*	4	8 *Mathematics*	3
11 *English*	1	6, 7 *Philosophy*	3
8, 10, 12, 14, 16 *French*	3	8, 10, 12 *Physics*	3
18 *French*	1	1 *Psychology*	3
2, 4 *Geology*	3	5, 6 *Public Speaking*	1
8 *German*	3	2, [3] *Sociology*	3
12, 14 *German*	1	2, 4 *Spanish*	3
2 *Government*	3	6 *Zoology*	3

*Required of women. **Elective for women.

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

Exclusive of the required work in Physical Training, each student is expected to register for not less than five three-hour courses, and for courses aggregating not more than seventeen hours (except that Freshmen in the second semester are required to take both Physiology and Public Speaking, making a total of eighteen hours).

Outline of required courses leading to the degree of B.S. in Forestry.

FRESHMAN YEAR

First Semester			*Second Semester*		
1	Forestry (Introduction)	1	2	Forestry (Introduction)	1
	Mechanical Drawing	3	1	Biology	3
1	Mathematics	3	2	Mathematics	3
1	Chemistry	3	2	Chemistry	3
	French or German	3		French or German	3
1	English	3	2	English	3
1	Physiology	2	2	Physiology	2

SOPHOMORE YEAR

3	Forestry (Dendrology)	3	4	Forestry (Dendrology)	3
5	Forestry (Silviculture)	2	6	Forestry (Silviculture)	2
1	Botany	3	2	Botany	3
1	Physics	4	2	Physics	4
3	English	3		Elective	3

*SUMMER CAMP (early summer)

7 Forestry (Surveying)

8 Forestry (Field Silviculture)

JUNIOR YEAR

[9	Forestry (Engineering office work)	3]	10	Forestry (Lumbering)	3
11	Forestry (Entomology)	3	[12	Forestry (Pathology)	3]
1	Geology	3	[14	Forestry (Practice of Forestry)	3]
1	Zoology	3	2	Zoology	3
3	History (American)	3	4	History (American)	3

*SUMMER CAMP (late summer)

13 Forestry (Mensuration)

15 Forestry (Construction)

SENIOR YEAR

17	Forestry (Wood Technology)	3	18	Forestry (Forest Products)	3
19	Forestry (Forest Management)	3	20	Forestry (Forest Management)	3
2	Economics	3	3	Economics	3
	Elective	3		Elective	3
	Elective	3			

*May be combined in one summer. [-] Not given in 1920-1921.

DEGREES AND HONORS

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

BACHELOR'S DEGREE

The Bachelor's degree is conferred on all students that complete satisfactorily one hundred and thirty-one semester hours in the requisite courses, nine semester hours of which are to be in the department of Physical Training. Each candidate for this degree must submit not later than May 15th of his Senior year a thesis of not less than one thousand words upon some subject representative of his accepted Major. His subject for this thesis must be selected from a list presented by the head of the department in which he has chosen his Major. Candidates are invited to submit subjects for the approval of those in charge of the lists.

MASTER'S DEGREE

The degree of Master of Arts is conferred on graduates of the College of at least three years' standing who have completed one year's graduate non-professional study or its equivalent. Either two or three subjects may be selected, with the advice and under the direction of the heads of the College departments. Evidence of proficiency is to be given by examinations and theses. Theses must be presented and fees paid as early as June 1st, and final examinations must be passed not later than ten days before the annual Commencement. The fee is $10.00. Modifications of the foregoing conditions may be granted resident graduates. Further information on the subject may be obtained by writing to the Secretary.

GROUP ARRANGEMENT OF STUDIES

The different departments of instruction are arranged under three groups: I, Languages; II, Philosophy (including History and the Social Sciences); and III, Sciences (including Mathematics).

GROUP I	GROUP II	GROUP III
Languages	**Philosophy**	**Sciences**
English	Biblical Literature and Religion	Astronomy
French	Economics	Biology
German	Education	Botany
Greek	Ethics	Chemistry
Hebrew	Fine Arts	Engineering
Latin	Government	Geology
Spanish	History	Mathematics
	Philosophy	Ornithology
	Psychology	Physics
		Physiology
		Zoology

REQUIREMENTS

A candidate for the degree of Bachelor of Arts must complete before graduation a Major subject in Group I or II, and a Minor subject in each of the other groups. A candidate for the degree of Bachelor of Science must complete before graduation a Major and a Minor subject in Group III, and a Minor in each of the other Groups.

In complying with the above conditions, subjects indicated as required in the "Outline of Studies" may count equally with electives. A student in making his selections for the Junior year should indicate in which Group he intends to secure his Major, and in making his selections for the Senior year should indicate the Departments in which he intends to secure his Major and his Minors.

MAJORS AND MINORS

All candidates for degrees are required to make their selections with reference to Major and Minor subjects.

A Major subject is one which is pursued at least three hours a week for three years, including the Senior year; in case of "alternate" courses in the foreign languages, if a Senior course is pursued during the Junior year, the Major may be completed at the end of the Junior year.

A Minor subject is one which is pursued at least three hours per week for two consecutive years, or consists of six three-hour courses of definitely related subjects, and may be pursued in any of the subjects possible for Majors. Three single years

work in as many subjects in the various departments of any one group will also be accepted as a Minor. In certain other cases, by arrangement with the Committee on Curriculum, a Major or a Minor study may be kept up by a combination of related courses from different departments.

English 1, 2, French 1, 2, German 1, 2 (if begun in the Freshman year), History 7, Latin A, B, Physics 1 and Physiology must not be counted towards a Minor.

HONORS

The method of awarding honors and assigning Commencement parts is as follows: Six honors, three to young men and three to young women, are awarded for Scholarship in each of the three general Groups as given under the Group Arrangement of Studies.

From the eighteen persons receiving these honors eight are selected to deliver Commencement parts.

1. A committee of three shall be appointed representing each group of studies, who shall present to the Faculty for consideration the names of members of the Senior Class whose rank is 85 or more in any group, and averages at least 80 in all studies.

2. In making up the rank for the assignment of honors, the work of the Freshman year shall not be counted.

3. In awarding honors in any group of studies amount of work as well as rank shall be considered, and in deciding between candidates preference shall be given to the one having the largest number of courses, unless the rank of one having a smaller number is higher than that of the others in any equal number of courses.

4. A student whose rank qualifies him for an honor in more than one group of studies may receive appropriate recognition of that distinction.

ADMINISTRATION

REGISTRATION

Sophomores, Juniors, and Seniors are required to register at the opening of the college year in September on the Wednesday or Thursday preceding the opening of classes on Friday. Freshmen are required to register on Wednesday. All students are required to register for the second semester at an appropriate time previous to the opening of classes. In every case the registration fee must be paid or arranged for before registration can be completed. Students failing to comply with the above requirements are subject to an accumulating fine and the loss of certain privileges.

REGULATIONS REGARDING ABSENCES FROM RECITATIONS

1. During each semester a student is allowed as many absences in a course as there are recitations per week in the course. Such absences are designed to make provision for temporary illness, duties toward visiting friends, dental appointments, or such other incidental occasions as the student may deem important.

2. An absence on a day immediately preceding or following a recess in college work is counted as double.

3. Tardiness, unless excused by the instructor at the end of the recitation period, will be regarded as an absence.

4. Excuses for absence for work and for engagements out of town are to be secured in advance. Absences due to prolonged illness will be excused upon the presentation to the excuse officer of a statement from a reputable physician or from the physical directors.

5. The excuse officer for the young women is the Dean of Women; for the young men, the President. A complete record of absences is kept in the Registrar's office and is open to inspection during office hours.

6. For each unexcused absence in a course beyond the allowance specified, five points are deducted from the final rank of the course involved.

EXAMINATIONS

Written examinations are given at the close of each semester and at such other times as the instructors may determine.

RANK BILLS

These are sent to the parent or guardian of each student at the close of each semester. A student's work in a course is reported according to the following grades: A. B, C, D and F. A signifies a rank from 90 to 100; B, from 80 to 90; C, from 70 to 80; D, from 60 to 70; F, failure.

STUDENT ADVISERS

At the beginning of the College year the young men of each class are divided into groups; and for each group some teacher acts as a special adviser. The attempt is made to assure to each student a true friend from whom in any perplexity or emergency he may freely ask counsel and aid. It is one of the cherished aims of the College to foster intimate and mutually helpful relations between teachers and students. At a stated time and place once a month each student reports his church attendance to his adviser.

HEALTH OF STUDENTS

The health of students is an object of constant care. Physical examinations are given each year, and suitable exercise is prescribed for each student. A nominal medical fee is charged each student living on the campus, in return for which the student may freely consult the College Physician, who is daily in his office on the campus. It is hoped that by this easy access to the College Physician illness among the students may be largely prevented. Lewiston has two of the best hospitals in New England, and these are always open at special, reasonable rates to students requiring the services of skilful physicians or surgeons.

SCHEDULE OF FEES AND CHARGES

Tuition	$125.00 per annum
Room Retainer	10.00

(See Note #1)

Room Rent for Men:		
Parker Hall	$30.00 to	64.00 per annum
Roger Williams Hall	56.00 to	82.00 per annum
John Bertram Hall	58.00 to	65.00 per annum
(See Note #2)		
Board for Men	6.00 to	6.50 per week
(See Note #3)		
Board and Room for Women:		
Board and Room in Rand according to location	288.00 to	297.00 per annum
Board in Rand and Room in Frye St. House		297.00 per annum
Board in Rand and Room in Chase House		297.00 per annum
Board in Rand and Room in Milliken or Whittier		270.00 per annum
Board in Cheney and Room in Frye St. House		270.00 per annum
Board in Cheney and Room in Chase House		252.00 per annum
Board in Cheney and Room in Cheney, Milliken or Whittier		243.00 per annum
(See Note #4)		
Laboratory Fees:		
Chemistry 1, 2		4.00 per semester
Chemistry 3, 4, 5, 6, 8, 9, 10, 11		7.50 per semester
Chemistry 14, 15		10.00 per semester
Physics, Sophomores		2.00 1st semester
Physics, Sophomores		4.00 2nd semester
Physics, Juniors		10.00 per semester
Physics, Seniors		15.00 per semester
Biology		2.50 per semester
Botany 1, 2		2.50 per semester
Zoology 1, 3, 4		5.00 per semester
Zoology 2		3.00 per semester
Zoology 5, 6		7.00 per semester
Zoology 7b		2.00 per semester
Bacteriology		7.00 per semester
Astronomy		2.00 per semester
Geology		2.00 per semester
Fees for Graduate Work (See Note #5)		

Physical Examination, Freshman Men	1.00	
Physical Examination, Gymnasium suit, shoes, and one semester's membership in Athletic Association, Women	18.75	
Graduation Fee, Seniors (See Note ♯6)	15.00	
Chase Hall—Men's Social Building	5.00	
Medical Fee	5.00	
Laundry for Men (At Cost) About	3.00	per year
Light	.08	per K.W.H.

The College will collect with the semester bills the dues of Students belonging to any of the following: Men's Athletic Association, $10.00 per year; Women's Athletic Association, $4.00; Y. M. C. A., $3.00; Y. W. C. A., $2.00; Student Assembly, 50c; Outing Club, $1.50; Bates Student Association, $2.50 per year.

Fees for Membership in Class, and other Student Organizations, will be collected by the Treasurers thereof at the rates agreed upon by the students themselves.

SUPPLEMENTARY NOTES

1. To retain a room for the ensuing year, a deposit of $10.00 must be made on or before June 1st. This amount will be refunded to students prevented from entering, if application for its return is made before September 1st.

2. Young men who wish more detailed information about rooms are invited to write Harry W. Rowe, Bursar, Roger Williams Hall, Lewiston, Maine, who will be glad to answer inquiries and send a special booklet of room prices and regulations.

3. Male students, except those living at home, are expected to board at the College Commons. No permission to board elsewhere will be given except under definite arrangements with the Committee on the Commons. Board must be paid in advance at intervals of two weeks, and those who fail to meet this requirement will promptly be debarred from attendance at the Commons tables.

4. Residence on the campus is required of all young women students not living with their families, except as special permission to live elsewhere may be granted to those partially self-supporting. Most of the rooms accommodate two students. All the rooms are heated, lighted, and equipped with the heavy furniture.

A limited number of young women may secure room with board in the Cheney House dining room for $243.00 and service amounting to not more than one hour daily. Students wholly dependent upon their own efforts are advised to accumulate some reserve funds before entering college.

Young women should address correspondence concerning living conditions to Dean Clara L. Buswell, Roger Williams Hall, Lewiston, Maine.

5. Graduate students doing special work in laboratories or other courses, will be charged at the rate of $15.00 per course per semester, with additional charges for laboratory fe

6. The Graduation Fee is to cover the following items connected with Commencement expenses:
Sheepskin diploma
Two commencement dinner tickets
Decorative lighting of campus for commencement week
Special lights for Greek play
All commencement music, except for Class Day.

A fair estimate of the cost of books for the average student during the freshman year, is $40.00.

REGULATIONS CONCERNING THE PAYMENT OF BILLS

A $50.00 payment on tuition is required from each student before registering at the opening of each semester.

The balance of college bills, rendered as per the published list of expenses, must be paid in full to the *Bursar* according to the following schedule: *Freshmen on or before November 12 and March 12*; *Sophomores, November 13 and March 13*; *Juniors, November 14 and March 14; Seniors, November 15 and March 15.* If one of these dates falls on Sunday or a college holiday the day following may be regarded as the last day for payment. Students who are unable to pay their bills on or before these dates must present to the Bursar their requests for extension of time for payment before the date on which the bills are due. Extensions will be granted only in cases of special necessity. Seniors will not be granted extension on the account of their last semester.

The young women may pay their board and room charges only in two instalments if they so desire, the first half to be paid at the time when the semester bills are regularly due, the balance not later than thirty days thereafter.

Students having leave of absence from the college on the date in which a semester bill falls due are required to settle their accounts immediately upon their return.

Students are required to be responsible for remembering extension dates.

Failure to comply with these requirements will subject a student to an additional charge of $1.00 per each week, or fraction thereof, elapsing after the regular dates of settlement.

If a student fails to meet his fees and other charges in accordance with the college regulations, he will be excluded from all college classes and debarred from such student activities as are included in the regulations concerning probation, until a satisfactory arrangement is made. The student so debarred will

be held accountable for all absences incurred through the operation of the rule.

Students will not be dismissed from college on request until they pay all their college bills.

Students and graduates for whom tuition has been deferred will not be recommended or certified to graduate or professional school until they have paid all tuition, board bills, loans, and other college charges.

REFUND OF FEES

No student will be entitled to refunds except after presentation to the Bursar of the original receipts for payment already made. Students should carefully preserve all receipts. No refund will be made to any student expelled, suspended, or requested to withdraw on account of conduct or poor scholarship.

TUITION

Any student who withdraws voluntarily, and in good standing, will be charged for tuition according to the following table:

From opening day of semester until two weeks	20%
Between two and four weeks	40%
Between four and six weeks	60%
Between six and eight weeks	80%

There will be no reduction of tuition for withdrawals after eight weeks. Laboratory fees and incidental charges will not be refunded. There will be no deduction for late entrance.

ROOMS FOR MEN AND WOMEN

Withdrawal from college or from residence on the Campus does not cancel the lease of a dormitory room. Whenever possible, a room given up will be re-rented, and a charge made only for that period in which the room is held in the lessee's name. Should no subsequent tenant be found, the lessee will be held responsible for the full year's rental.

BOARD FOR YOUNG WOMEN

No deductions will be made for occasional absences from meals in either Rand Hall or Cheney House dining-rooms. In case of unavoidable prolonged absence, half of the amount paid for board for the time in excess of two weeks is returnable.

BUILDINGS AND EQUIPMENT

The College has nineteen buildings. These are kept in good repair and in the best sanitary condition. They are all heated by steam and lighted by electricity.

CHAPEL

What was long the most urgent need of the College, a suitable place for daily worship by Faculty and students, is at length fully met. Through the wonderful generosity of a devout Christian woman the sum of $60,000 was in January, 1912, placed in the hands of the Treasurer of the College to ensure the erection of a worthy Chapel and the installment of an appropriate organ. To this amount $5,000 was subsequently added. The building is 125 feet in length and 55 feet in breadth. It affords seats for 900 persons, 800 upon the floor and 100 in the gallery. On exceptional occasions, such as Commencement, the seating capacity can be increased by utilizing the spacious chancel to more than one thousand. There are two rooms connecting directly with the chancel—one on either side. One of these rooms is for the choir; the other for those officiating in the religious services. The organ, built by Hook and Hastings of Boston, is an instrument worthy of the Chapel and its sacred uses. The Chapel is of granite and is of Gothic design, after the English collegiate style. The audience room is open to the roof, thus disclosing its supporting timbers. There are four towers, two at each end in conformity to the general style of the architecture. The corner stone was laid with appropriate exercises on November 6, 1912. The Chapel was dedicated on January 7, 1914.

HATHORN HALL

Hathorn Hall, a beautiful and substantial building of three stories, contains an Assembly Room, ten lecture rooms, and a large study and a cloak room for women students. Through the generosity of successive classes, nearly all the rooms in this building have been finished and furnished with excellent taste. During the summer of 1920 changes were made in the Assembly Room sufficient to meet the needs of a small theatre, and accommodate the growing interest in dramatics among the students.

The stage has been enlarged, two dressing rooms have been added, modern lighting arrangements installed, and ample scenery provided. This Hall takes its name from Seth and Mary Hathorn, of Woolwich, Me., who in the early history of the institution contributed generously toward its erection.

HEDGE LABORATORY

The building of the department of Chemistry is called Hedge Laboratory, in honor of the late Isaiah H. Hedge, M.D., of Waukon, Iowa, who furnished the means for its erection. It is a two-story building finely located and of attractive modern style. Important improvements in this building have recently been made by which its capacity has been increased considerably and the general conveniences much improved. On the first floor of the laboratory are the chemical lecture room, with rooms adjoining for chemicals and apparatus, and a class laboratory room fitted up with tables and sinks sufficient to accommodate thirty-two students. The large laboratory room for qualitative analysis occupies the most of the second floor. It is well lighted, thoroughly ventilated, and conveniently fitted with sinks, hoods, and tables. Adjoining this room are the chemical and apparatus stock rooms. The basement is used for stock and laboratory rooms. Accommodation has thus been provided for one hundred ninety students.

The enrollment in this department is so large, however, as to render imperative the doubling of the capacity of the Laboratory at the earliest practicable date.

CARNEGIE SCIENCE HALL

In January, 1908, Mr. Andrew Carnegie made a subscription of $50,000 for the erection of a new science building. The conditions of the gift having been met, the corner stone was laid during Commencement week of 1911. The building was opened for occupancy in September, 1912, and was dedicated January 14, 1913.

Three departments of the College are provided with commodious and convenient accommodations in Carnegie Science Hall.

The most used rooms of the Biological Department are located on the first floor. The lecture and recitation room has a raised floor so that the seats at the rear of the room are two

feet above those in the front row. At present the equipment includes: fifty-five iron-framed tablet arm chairs; a lecture and demonstration desk furnished with a sink, aquaria, gas and electric connections, cupboards and drawers.

Adjoining the recitation room is the department library, known as the Ira H. Bickford Biological Library of Bates College. This library was established by Mr. Bickford in June, 1911. The room is furnished with reference table, chairs, a librarian's desk, book shelving, and card catalogues. Special mention should be made of a valuable collection of ornithological works presented to the Library by Prof. J. Y. Stanton.

Opening out of the library, in the east corner of the building, is the office and private laboratory of the head of the department.

The laboratory for histology and general microscopy opens out of the main corridor and occupies the northwest corner of the first floor. This room is unusually well equipped with windows, and electric fixtures for artificial illumination. The furnishings and technical apparatus for this laboratory are extensive, modern, and selected with care as to their special purposes.

Also opening out of the main corridor, and occupying the entire southwest end of this first story, is the large general laboratory for the courses in vertebrate and invertebrate zoology. Like other laboratories of the building, this has associated with it a supply room.

The entire northeastern half of the third floor has been set aside for a Biological Museum. This Museum is especially fortunate in its extensive and valuable collection of ornithological specimens. In addition to the regular teaching collection, which includes representatives of nearly all the New England species, besides many from other parts of the United States, and from foreign countries, Prof. J. Y. Stanton presented his entire private collection of mounted birds and skins. This collection includes several specimens of extinct forms and many rare species.

The entire fourth floor is used as a vivarium. It is divided into rooms as follows: a large animal room, a supply room, and a room for the experimental breeding of animals and plants.

In the basement, the Biological Department has the following accommodations: a taxidermy and tool room; a supply room; and a dark room.

The second floor of the building is allotted to the Department of Physics. The lecture room is fitted with seats for fifty-five students, a stereopticon stand, a lecture table equipped with gas, water, and electricity—both alternating and direct current. The room is ventilated by the electric fan.

Adjoining the lecture room is a commodious apparatus room fitted with a large counter and wall shelves. The cabinet is well supplied with apparatus for lecture table and laboratory experiments.

Adjoining the apparatus room is a large laboratory equipped with water, gas, and electricity for advanced work in Physics. This room is fitted especially for electrical work. Connected with this laboratory is a photographic dark room and a private laboratory and office for the head of the department.

At the other end of the building is a large laboratory for the elementary work in Physics, fitted with tables and wall shelves, supplied with gas and electricity for experimental work.

In the basement of the building is a dynamo room containing the main switch-board that serves both as a main feeder for the building and as an experimental board. A small shop adjoins the dynamo room, equipped with an assortment of tools for repairing apparatus.

A large Physiological laboratory in the basement is for the present used as a drafting room and contains stands for about forty-five students. This room is fitted with wall cabinets having numerous drawers and cupboards.

The recitation room for the Physiological department is upon the third floor. In location, size and equipment this room is similar to the recitation room on the first floor.

The rear entrance to the building opens directly into a receiving and unpacking room. There are three lavatory rooms, one in the basement, another on the first floor, and a third on the second floor. A large general supply room and a sterilizing room are also located in the basement. An efficient ventilating system is connected with all basement rooms and with the three recitation rooms.

CORAM LIBRARY

Coram Library, dedicated in 1902 and named for Mr. Joseph A. Coram, of Lowell, Mass., who contributed twenty thousand dollars towards its erection, is one of the most beautiful and

best planned buildings of its kind. Its reading, reference, seminar, and stack rooms are models of taste and convenience. The furnishings throughout are of the most approved designs for modern libraries.

The library is classified according to the Dewey system; there is a dictionary card catalogue; access to the shelves is entirely unrestricted. Attention is given to helping the students in using the catalogue, reference books and special bibliographies.

The number of volumes in the library is 47,649.

Through the generosity of Mr. Walter I. Woodman of Newton, Mass., 2,725 choice volumes from the library of the late Professor Jonathan Y. Stanton are among the most recent accessions.

The College library has been selected with special reference to the needs of the several departments. It is composed mainly of modern publications, and contains many important works of reference.

Special funds from which income for the purchase of books is derived are the following:—

The Benjamin E. Bates Library Fund, founded in 1906, by a gift of $10,000 from Mr. Clement S. Houghton of Boston. This fund was given in memory of Benjamin E. Bates, the son of the Benjamin E. Bates whose name the College bears, and himself for twelve years a devoted and efficient member of the Board of Fellows of the Institution. The income of this fund is expended in the purchase of works upon History, Economics, Sociology and Mathematics—subjects in which Mr. Bates was much interested.

The Stephen and Mary Stickney Library Fund was established in 1909 by a legacy of $7,000 from Mrs. Mary M. S. Spaulding in honor of her parents.

The French library of the late Isaac L. Rice, LL.D., numbering 1800 volumes and thought to be the most valuable private collection of its kind in America, has been presented recently to the College by the family of Dr. Rice and has been placed in the Art Room of the Library. This room is designated as the Isaac L. Rice Room.

Considering the expense involved in purchasing books most necessary to keep the library abreast of the times, the generous aid of friends of the College is invited to the establishment of new funds.

The library is open during term time (on week days) from 9.00 A.M. to 12.10 P.M., 1.00 to 5.30 P.M., and except Saturday from 7.00 P.M. to 9.00 P.M.

LIBBEY FORUM

Through the generosity of the late Honorable W. Scott Libbey, the Literary Societies and the Christian Associations of the College have been provided with large, beautiful and convenient rooms—one for each of the three Societies and a fourth for the Y. M. C. A. and Y. W. C. A. Libbey Forum has been erected to stand, and is probably the most solid and substantial structure in Lewiston. It is complete in all of its apppintments. Its spacious corridors, its convenient cloak and toilet rooms, its arrangements for heat and light, and its furnishings, are all in complete harmony with the general design; and the result is an ideal home for the Societies that have long been one of the most unique and attractive features of Bates. It was dedicated on October 1st, 1909, and is now regularly occupied by the organizations for the benefit of which it was erected. The building occupies the large lot on the northern side of Mountain Avenue at its junction with College Street. The completion of this hall made available for important uses of the College the rooms that have been occupied for society purposes in Hathorn Hall and Parker Hall.

CHENEY HOUSE

Cheney House, a spacious and attractive two-story building originally erected for the President's residence, has since 1895 served as a dormitory for women students.

PARKER HALL

Parker Hall affords accommodations for about one hundred young men. It has recently been renovated and modernized. The floors throughout are of hard wood. The rooms are arranged in suites, each consisting of a study and a bedroom. A commodious and tastefully furnished reception room, ample shower baths and other sanitary arrangements, and convenient and tasteful student apartments, render this hall one of the most homelike and satisfactory college dormitories in New England. The base-ball cage in the basement affords uninterrupted opportunities

for practice in the winter and in stormy weather. Parker Hall bears the name of the late Judge Parker of Farmington, one of the chief contributors for this, the second building erected upon the Campus.

ROGER WILLIAMS HALL

Roger Williams Hall is an attractive and commodious three story brick building erected by the late Lewis W. Anthony, Esq., of Providence, R. I. This hall, formerly devoted to the needs of Cobb Divinity School, is now used for College purposes. The first floor provides administrative offices for the President and his Secretary, the Dean of Women, the Bursar, and the Registrar; faculty meetings are held in the large room formerly used as an assembly room. The other floors are used for dormitory purposes. The student suites in this building are unusually tasteful and convenient. They accommodate between forty and fifty young men. The building is under the supervision of the Roger Williams Hall Association.

A fund of $5,000 has been given by Dr. Alfred W. Anthony and Miss Kate J. Anthony for the permanent upkeep of this building.

JOHN BERTRAM HALL

John Bertram Hall is the large three-story brick building that for thirteen years was used by the departments of Biology and Physics. The completion in 1912 of Carnegie Hall left it available for dormitory purposes and it was then thoroughly renovated and in large part reconstructed. Its spacious, convenient and attractive suites of rooms afford ample accommodations for from forty to fifty students. Most of these suites are occupied by young men of the Freshman class, thus meeting an urgent need. Heated by steam, lighted by electricity, provided with shower baths and the most approved plumbing arrangements, it is one of our most satisfactory dormitories. On the first floor is a tasteful reception room with a piano and other appropriate furniture. On the wall opposite the entrance hangs a picture of John Bertram—a man whose character and career exemplify the best in Christian manhood. In the basement are the kitchen and store rooms and a convenient, spacious and well appointed dining room that serves as a "Commons" for more than two hundred young men. Through the generosity of a friend of Bates all the suites for students have

been suitably furnished. The gift in January, 1913, by Mrs. David P. Kimball of Boston, of $10,000 in memory of her father, Captain John Bertram of Salem, Mass., brought to the young men of the College facilities long needed and highly prized.

RAND HALL

Rand Hall, completed in 1905 for the women of the College, is a beautiful three-story building one hundred and twenty feet in length by forty-three in breadth.

By action of the Trustees at their annual meeting in June, 1908, this building was named Rand Hall in memory of Professor John Holmes Rand and his untiring efforts to assure a true college home to the women of Bates. It contains a large, well-equipped gymnasium, Fiske reception room for student social gatherings, rooms for the Dean and for the Instructor in Household Economy, and for sixty young women, together with laundries, kitchens, dining-room, and all the appointments of a first-class women's hall.

MILLIKEN HOUSE AND WHITTIER HOUSE

The Milliken House and the Whittier House, through the generous consideration of Hon. C. A. Milliken, are now the property of the College. With Cheney House, Rand Hall, Frye Street House, and Chase House, they afford ample accommodations for the young women of the College.

FRYE STREET HOUSE

Frye Street House, until recently the private residence of Mr. E. A. Whittier, has been purchased to provide for the 25 young women for whose accommodation it had been found necessary to make provision. It is a beautiful, convenient building with all the modern conveniences and admirably adapted to its purpose.

CHASE HOUSE

The home of the late President Chase has been purchased by the College and remodeled so as to furnish comfortable accommodations for fifteen young women.

PRESIDENT'S HOUSE

The private residence of the late J. Frank Boothby has been purchased by the College, largely remodeled, and is used as the President's House.

CHASE HALL

Chase Hall, the men's social building, dedicated in the fall of 1919, is one of the finest buildings in the country. In many respects it is the latest word in this type of building. The architects were very happy in securing not only a useful structure but also one that is artistic in every respect. It is made of dark brick, with many gables, so that the view of it from a distance gives a very pleasing effect. The upper floor, with its tinted walls, dark brown finish,—the main floor with the plain dark brick set in black mortar, with a very dark wood finish, and brick and cement walls of the lower floor or social room, give not only an impression of permanence but also of beauty.

Contained within the edifice are very ample social facilities for all the men of the institution; bowling alleys, pocket billiards, billiards, and small games. In addition there is a finely appointed reading room, a writing room, a large lounging or club room with victrola, piano, music, books and magazines. There are offices for the Athletic Association, Alumni interests, the Y. M. C. A., gathering places for the men's societies, halls for small lectures and meetings, a room for committee meetings and conferences, a ladies' reception room, a kitchen, and full equipment for stereopticon and moving picture work. Here also is to be found the finely appointed college store, which serves the entire campus, and the post office for the men. Nine finely furnished rooms give splendid accommodations for returning alumni, visiting school boys and friends of the institution.

Chase Hall, so named in honor of the late President, George Colby Chase, stands not only as a mark of the generosity of warm-hearted friends of the college, but also as a substantial tribute to the memory and life of one who for more than fifty years gave himself in unremitting, self-denying service to the institution.

CENTRAL HEATING PLANT

The people of Maine by the unanimous action of their Legislature during the session of 1908 generously recognized the service rendered by Bates College to educational work in their State by the appropriation of $45,000 for the construction of a Central Heating Plant for the Institution. This plant was completed under the supervision of competent engineers. It materially lessens the cost of heating the College buildings and promotes at once the health, the comfort, and the convenience of their occupants. In its construction, provision has been made for extending its advantages to buildings hereafter to be erected.

GYMNASIUMS

The Men's Gymnasium, a two-story wooden structure with basement, has been a very useful building; but it should give place as soon as practicable to a more capacious and substantial structure of modern design. A new gymnasium adequate for our needs would cost $100,000.00.

Subscriptions for this building are earnestly solicited. The immediate erection of a gymnasium for our young men might well engage the interest of some large-hearted, wealthy man or woman.

The Gymnasium is steam heated and equipped with the apparatus necessary for the thorough and systematic training and development of the human body. This apparatus is new and of the most approved modern pattern. Also convenient bathrooms, provided with lockers, hot and cold water, shower baths, etc.

The gymnasium for women in Rand Hall is well equipped for class drill and apparatus work and provides for indoor recreation such as basketball, volley ball, indoor baseball, etc. The room adjoining the gymnasium is suitably fitted with shower baths and lockers.

The athletic grounds for women provide for field hockey, basketball, baseball, tennis, etc.

ATHLETIC FIELD

The Garcelon Athletic Field, named in honor of the late Alonzo Garcelon, M.D., of the original governing board of the College, is considered one of the best in New England. It has

a tasteful and commodious grand stand, sufficient for all present needs. The field, surrounded by a fence, has an area of seven acres. It contains a quarter-mile track, a two hundred and twenty yard straight-away, take-offs for the jumps and pole vault, a football field, and a baseball diamond.

OUTDOOR RUNNING TRACK

The wooden track is rectangular in shape with a straight-away course of 74 yards. The width of the straight-away is ten feet. The rectangle is five feet in width with a course of twelve laps to the mile. The track is located near the Gymnasium.

TENNIS COURTS

Ten fine tennis courts offer abundant opportunity for this healthful game.

STUDENT LIFE

SOCIETIES AND ORGANIZATIONS

Bates has no secret societies. But the various interests of a wholesome student life are sustained and promoted by means of appropriate organizations—both for the young men and for the young women.

Three societies for the study of current events, and of literary masterpieces, and for the practice of parliamentary law are maintained by the young women. Those Seniors whose rank in English has not fallen below a certain per cent are members of Seniority; Juniors and Sophomores compose Alethea; Entre Nous is open to all Freshman women.

All young women of the College are eligible to membership in Enkuklios; this club holds occasional socials, and once during the year gives a formal reception.

The Spofford Literary Club, composed of both young men and young women, by its name and purpose constitutes a choice tribute to the memory of the lamented Professor Spofford.

The Jordan Scientific Society, recently organized, takes its name in honor of Dr. L. G. Jordan, Head of the Department of Chemistry. Its members are young men who find themselves eagerly interested in Science.

The Politics Club, organized in 1912, is composed of young men from the Junior and Senior Classes who are interested in the science of politics and government. The programs of the meetings are in charge either of the regular members, or of invited guests who address the Club on appropriate subjects. The Club is a member of the Inter-Collegiate Civic League.

The Phil-Hellenic Club is a new society for students interested in Greek literature, life and customs. Its purpose is a more thorough and personal appreciation of these matters than is afforded by curriculum courses. The club meets monthly, and very interesting and instructive articles have been contributed on such subjects as "Athenian Life," "Religious Views of Æschylus," and "Recent Discoveries in Crete."

Le Cercle Francaise serves a like purpose for students of French. Meetings are held once a week, and are conducted entirely in the French language and according to parliamentary

rule. Papers relating to science, business, athletics and social life have been read at various times, always followed by a general discussion. All meetings are closed by the singing of the national anthem of France, "La Marseillaise."

The Macfarlane Club is composed of members of the student body that show marked ability in music. It is named for Will C. Macfarlane, Mus. D., formerly municipal organist of Portland, Maine.

The Ramsdell Scientific Society, named in honor of Professor G. E. Ramsdell, is composed of young women who are specially interested in Science.

The Bates Forum limits its membership to young men and young women who have given evidence of unusual ability in debating.

The Military Science Club devotes its time to the study of military science and history.

The Athletic Association is an organization of the men of the College for the promotion of physical training and of athletic sports.

The Women's Athletic Association is an organization of the women of the College for kindred purposes.

The young men maintain an orchestra, a Glee Club, and a Mandolin Club; and the young women, a Glee Club and a Mandolin Club.

The large College Choir, composed of both young men and young women, receives regular, careful training from the College Chorister.

No student organization of the College may incur any financial obligation, or make any contract involving monetary consideration, without first obtaining the sanction of the President of the College, or of the proper Faculty committee under whose supervision the organization is placed. In the event of the contemplated formation of any such new organization, the President of the College must first be consulted; and, if permission be granted to effect such organization, he will advise the student representatives of the particular Faculty committee under whose supervision the organization is placed.

A Bates Chapter of Delta Sigma Rho was instituted on the twenty-first day of June, 1915. All men participating in intercollegiate forensics are eligible for membership in this organization.

At the meeting of the Council of the United Chapters of Phi Beta Kappa held in September, 1916, a charter was granted to Bates, and the Phi Beta Kappa, Gamma Chapter of Maine, was installed May 29, 1917.

In 1918 women graduates of Bates College were admitted to membership in the Association of Collegiate Alumnae. This Association is organized for the purpose of promoting higher standards of education. Membership in the Branches brings pleasant social relations in addition to offering opportunities for service.

RELIGIOUS LIFE

At 8.45 A.M., six days in the week, all the students, with the Faculty, assemble in the Chapel for reading of Scripture, prayer, and singing. A committee composed of members of the Faculty are active in promoting the religious life of the College. The women students have vesper services in Fiske Hall Sunday evenings. Occasional vesper services, open to the public, are held in the College Chapel.

The last Thursday in January is observed as the Day of Prayer for Colleges and is set apart entirely for religious meetings. A sermon to which the public are invited is preached in the Chapel at 10 A.M. Christian friends of the College are asked to remember this day. The Elizabeth Garcelon Messer Fund assures the presence of an eminent and earnest speaker.

The two Student Christian Associations—Young Men's and Young Women's—are active and flourishing. They hold weekly meetings on Wednesday evenings: the Young Men's Association in Chase Hall, at 6.45, and the Young Women's Association in the Fiske Room, Rand Hall, at 6.45. Besides student leaders—members of the faculty, pastors, visiting lecturers, and secretaries often speak at meetings arranged by the Associations. The weekly meeting, however, is but one of the many helpful activities of these Associations in the life of the College.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The College employs a resident, graduate, Young Men's Christian Association Secretary, and he and the leaders of the organization are in close touch with the leaders and secretaries of the International and World's Student Movement.

The program of the Association is put into operation by the Friendship Council, which includes an executive Cabinet that makes definite plans for the work. The Cabinet is composed of the chairmen of the following departments with their various duties:

The Department of Administration looks after the business affairs of the Association, keeps proper records, secures reports, furnishes publicity, and assists in maintaining an office in Chase Hall, where daily office hours are kept.

The Religious Education Department plans for and conducts the weekly meetings, manages special campaigns in sex education, evangelism, and missions, and promotes the devotional life of the men of the College. It also maintains classes in voluntary Bible study which are conducted in the first semester under faculty and student leadership; the emphasis in the second semester is placed on the study of missions, North American and world problems. Special committees present the latest opportunities in mission activities.

The Campus Service division of the social work of the Association includes the issuing of the annual college handbook, the extension of courtesy and hospitality to new students, tutoring, the presentation of wholesome and enjoyable entertainments, the selling of second-hand text-books, visitation of the sick, and the securing of employment.

The Community Service Department teaches English, civics, etc., to foreign workmen; sends deputations to churches, communities, preparatory schools, and other institutions; furnishes teachers for Sunday Schools and leaders for boys' clubs; co-operates with local pastors in interesting students in the work of the churches; assists in allying graduates with definite Christian service in the communities to which they go.

An Advisory Board, composed of representative members of the College Faculty, Alumni, student body and local business men, exercises a relation of oversight and counsel to all the Association activities.

The Administration Committee of Chase Hall has delegated to the Y. M. C. A. the direction of the social and recreational pastimes of the building. There are under its direction two bowling alleys, one billiard and five pocket billiard tables, small games, music, reading, and writing rooms, moving pictures, and all the other recreational features.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The work of the Young Women's Christian Association is much like that of the Men's. It is officered by the young women, who in consultation with an advisory board, and under the direction of a visiting Secretary and other officers of the National Board, engage in various activities. Membership and Social Committees co-operate in welcoming the new students, correspond with them during the summer, share in the distribution of hand books, meet them at the trains, give an afternoon reception on Mt. David the day College opens, unite with the Y. M. C. A. in a reception on the first Friday evening, and later a Hallowe'en party, and provide other informal social gatherings for the young women during the year.

The Bible Study and Missionary Committees arrange for classes during the first and second semesters respectively. The Missionary Committee also secures co-operation in the support of the worker kept in the foreign field by a group of Associations, and corresponds with various Alumnæ in the work. It supervises the observance of the week of prayer.

The Social Committee visits the Old Ladies' Home, the Children's Home, provides teachers for Sunday School classes, secures gifts for Christmas time for poor children in the city, directs the work of the Eight Weeks' Club in College, distributes flowers to the sick, aids students needing help along various lines. It co-operates with the city Christian Association in teaching classes.

The Association News Committee supplies posters and periodicals on the work of the Association and other Associations. The Town Committee is concerned with interests of the girls not residing on the Campus. A group of girls attend the Silver Bay Conference each year.

GENERAL INFORMATION

COLLEGE PUBLICATIONS

The *Bates Student* is published weekly, under the direction of Editors and Managers selected from the Junior Class. The first number was issued in January, 1873.

The *Bates Bulletin,* published every three months, gives full information respecting the progress of the College. It will be sent to any address, upon application to the Registrar, for fifty cents a year.

The *Bates Alumnus,* published quarterly under the auspices of the Alumni Council, furnishes news and information of interest to Bates graduates.

GEORGE COLBY CHASE LECTURE FUND

On Commencement Day, June 28, 1906, one of the Trustees of the College announced the creation of a fund of $5,000 for the establishment of the George Colby Chase Lecture Fund for the maintenance of a permanent course of lectures to be known as the George Colby Chase Lecture Course. The College is indebted for this lecture fund to the late Honorable William Wallace Stetson, a former State Superintendent of the Public Schools of Maine. The purpose of the donor is definitely stated in the following citation from a prescribed trust agreement since executed: "Fourth, That the income of said fund shall be used exclusively for the maintenance of Lecture Courses in said College, and that no part of said income shall be used for any other purpose. Fifth, That speakers shall be selected who have done something worthy of special commendation, who have a message, and who can deliver it in such a manner as will be helpful to College students."

The far-reaching significance and substantial value of this lecture course for Bates students, thus made coeval with the life of the institution, can be better apprcciated a century hence than now. This trust faithfully administered will break the isolation too often existing between the college and the world, and assure to every Bates man and Bates woman the quickening influences of great leaders in thought and achievement. Some of the lectures thus far given under the provisions of this fund have been by Rev. Lyman Abbott, D.D., Rev. Hugh Black, D.D., George

W. Cable, Professor R. W. Wood of Johns Hopkins University, Rev. Charles F. Aked, D. D., Henry S. Pritchett, President of the Carnegie Foundation for the Advancement of Teaching, Hamilton Holt, Managing Editor of the *Independent*, Edward A. Steiner, D.D., of Grinnell College, Booker T. Washington, William T. Ellis, John Nolen, Edgar M. Banks, Ph.D., Seumas MacManus, Alfred Noyes, S. S. McClure, Professor Albert B. Hart, Robert Frost, Henry van Dyke, Margaret Deland, and Dr. Bruno Roselli.

UNIVERSITY EXTENSION

Members of the Faculty are prepared to give lectures upon subjects in Science, Literature, Philosophy, History, Economics, Education, Sociology, and Art. Particulars can be learned by correspondence with the President, or the Secretary of the Faculty.

RESOURCES

Within a few years the resources of the College have been more than trebled. This has been due in large measure to the generosity of Mr. Andrew Carnegie and of Mr. Bartlett Doe, late of San Francisco, each of whom gave $50,000 toward increasing the endowment; $60,000, also, were given by Alumni and other friends of Bates in response to a condition imposed by Mr. Carnegie. Nearly $60,000 more were added to the permanent fund by meeting the conditions of Mr. Carnegie's subscription for the science building, and by other gifts. In January, 1913, Honorable D. D. Stewart, of St. Albans, presented $50,000 in memory of his brother, the late Levi M. Stewart, Esq., of Minneapolis, Minn. In 1918 there became available from the B. C. Jordan Forestry Foundation $126,666. The total invested funds of the College at the present time amount to about $1,107,000; and its total resources, including grounds, buildings, library, and apparatus, have a value of fully $1,500,000.

Bequests to the amount of $35,000, including that of Mr. Frank Gutmann of Lewiston, lately deceased, will soon be available.

THE PUBLIC SERVICE OF BATES

To all who can prize her contributions to the intellectual and moral forces that must save our country, Bates can unhesitatingly appeal. Of her graduates about 43 per cent have become teach

ers, and nearly 11 per cent ministers, the latter being distributed among ten religious denominations. Within recent years Bates has made important contributions to the foreign mission field. Ninety graduates have filled positions in Universities and Colleges, and more than this number have won distinction as State, City, and District Superintendents and as Principals of Important Secondary Schools. Among the Higher Institutions to which Bates has contributed teachers are Albion, Amherst, Armour Institute, Bates, Bishop, Brown University, Carleton, Colgate University, Columbia University, Connecticut Agricultural, Cooper Institute, Cornell University, Dartmouth, Delaware, Denison University, Doane, Drury, Fairmount, Grant University, Grinnell, Harvard University, Haverford, Hillsdale, Howard University, James Millikin University, Johns Hopkins University, Keuka, Knox, Lake Forest, Massachusetts Agricultural, Miami, Middlebury, Massachusetts Institute of Technology, Mt. Holyoke, North western University, Norwich University, Oahu (Hawaii), Pennsylvania State, Princeton University, Pomona, Purdue University, Redfields, Reed, Shaw University, Stevens Institute of Technology, Syracuse University, Tufts, University of California, University of Colorado, University of Illinois, University of Iowa, University of Maine, University of Montana, University of Oregon, University of Utah, University of Washington, Washington State College, University of Wisconsin, Western Reserve University, William Jewell, Williams, Worcester Polytechnic Institute, Yale University, Yankton. In Authorship, on the Bench, in Legislation, in Journalism, Law, Medicine, and Engineering. Bates has distinguished representatives; while nearly the entire body of her Alumni have proved themselves pure, earnest, useful citizens, ready for every good word and work, and making happier and better the communities in which they have lived. The thorough preparation that Bates gives for public speaking is shown by the honors won in the last twenty years in thirty-nine out of fifty inter-collegiate debates—seventeen of these with Universities. More than six hundred graduates and undergraduates have been in the service of their country on land or sea. Among them are a Major General and Chaplains, Majors, Judge Advocates, Captains, Lieutenants, Ensigns, Sergeants, and men not less patriotic in the ranks.

BATES AND THE CARNEGIE FOUNDATION

The high standards of scholarship maintained at Bates and the breadth and liberality of her administrative policy are indicated by the fact that she was admitted to the benefits of The Carnegie Foundation for the Advancement of Teaching in June, 1907. She has been characterized from the beginning of her history at once by her insistence upon Christian standards of character and conduct and by her freedom from sectarianism. Her original charter contained no denominational or creedal conditions; and the slight change from the breadth of management that had been made in 1893 was, by unanimous vote of her Trustees, removed in 1906. Her application of Christianity to life finds expression in her supreme endeavor to educate her students for good citizenship and for self-denying service to mankind.

REASONS FOR AIDING BATES

1. To a large number of young men and young women she offers their sole reasonable hope for obtaining a liberal education. Both the necessary and the incidental expenses are lower than at any other New England College.

2. In the number and quality of her graduate educators, Bates is not surpassed, and, perhaps, not equalled, by any other College in America.

3. She has been successful in securing character as well as scholarship.

4. She is unsectarian.

5. Her location is the best possible for her usefulness. She gathers from a constituency widening every year young men and young women of small means but of great promise, some of them traveling hundreds of miles to secure from her the New England culture of heart and mind, that they may use it for the good of our entire country.

6. She took up the cause of higher education for women when it was unpopular.

7. Every dollar given to her work strengthens the forces that are shaping our Christian civilization.

8. She has but $1,107,000 for carrying on work for which most New England Colleges require more than twice that amount.

SUMMARY OF NEEDS

1. $1,000,000 as an immediate addition to the permanent fund in order to ensure the efficient maintenance of the present work, the development of existing departments, the endowment of a chair of Economics, and the increase of the salaries of teachers to a living basis. This need is painfully intensified by the startling increase in the cost of living expenses and of the general upkeep of the College. The deficit for the financial year ending May 31, 1921, will be $50,000, unless averted by contributions. This is in large measure due to conditions created by the world war and especially to the withdrawal of students to engage in patriotic service.

2. $20,000 for doubling the capacity of the present Chemical Laboratory.

3. $5,000 to pay for the furnishing of Coram Library and to secure additional appliances.

4. $50,000 as a permanent fund for the Library.

5. $150,000 for additional Scholarships for deserving students.

6. $100,000 for the erection of a new Gymnasium for the men students.

7. $100,000 for the erection and maintenance of an Astronomical Observatory and the support of its Director.

8. $10,000 for the grading and improvement of the Campus.

9. $30,000 for a student loan fund.

The total of the amounts named is about $1,500,000. We can do a valuable work while waiting for some of these needs to be met; others of them are urgent; all of them are implied in the plan of the institution; and could they be met at once, the result would justify the outlay. The enlargement of the Chemical Laboratory, the erection of a Gymnasium for the young men, the grading and improvement of the Campus, can be delayed only with serious loss to the College.

GIFTS

All departments of Bates College are under the care of the same Board of Trustees, and all gifts and bequests should be made to "The President and Trustees of Bates College." When bequests are designated for the use of a particular department, or for any other special purpose, they are limited to such purposes.

But the experience of colleges shows that it is desirable to have the specific use of the income and endowments left as far as possible to be determined by the Trustees as the needs of the growing work may demand. The work of Bates College has greatly outgrown the present equipment, and there is pressing need of additional endowments, scholarships, and buildings.

FORM OF BEQUEST

I give and bequeath to The President and Trustees of Bates College, a corporation existing in Lewiston, Maine, the sum of .....Dollars, for an endowment fund, to be called.....Fund (or Professorship, or Scholarship).

FORM OF ANNUITY BOND

Whereas, The sum of.....Dollars has been given to The President and Trustees of Bates College, Lewiston, Maine, by.....of..... upon condition that, in consideration of said gift, an annuity of .....Dollars be paid to the said .....during.....life;

Therefore, The President and Trustees of Bates College hereby agree to pay the said sum of.....Dollars to the order of said.....at the Treasurer's Office of said College, during the natural life of said .....commencing January first, Nineteen Hundred.....

In witness whereof The President and Trustees of Bates College have hereunto affixed their Corporate Seal and caused this bond to be signed by their President and Treasurer at Lewiston, Maine, this.....day of.....192.....

SCHOLARSHIPS

To be eligible for Scholarships, students must maintain an average rank in their College studies of 85 per cent. To be eligible for any other form of Student Aid, applicants must maintain an average rank in their College studies of 70 per cent., if Freshmen, and of 75 per cent., if Sophomores, Juniors, or Seniors. Applicants for Student Aid of any kind must be of good character, must totally abstain from the use of intoxicants and of tobacco, must be economical in all their expenditures and obedient to all College laws and regulations, and must furnish annually a correct statement of income and expenses.

Applications for aid, except from new students, must be filled out on blanks furnished for the purpose and returned to the President's office by June 1, each year. New students will be furnished, upon application, with appropriate blanks. These must be filled out and returned to the President's Office by October 15.

STATE SCHOLARSHIPS—There are ten State Scholarships (each yielding $50 annually) in the hands of the Governor; and in bestowing them preference is given to the children of those who have borne arms in defense of their country, and always to students who are needy and meritorious.

Each of the following scholarships has been endowed by a donation of one thousand dollars, and pays $50 a year to the student elected to hold the scholarship.

REDINGTON SCHOLARSHIP—FOR A LADY STUDENT—Endowed by the late Hon. Asa Redington, LL.D., of Lewiston. This is supposed to be the first instance of such an appropriation in any college.

DUDLEY SCHOLARSHIP—Endowed by the late Alvin D. Dudley, Esq., of Haverhill, Mass.

CHENEY SCHOLARSHIP—FOR A STUDENT FROM NEW HAMPSHIRE —Endowed by the late Hon. Person C. Cheney, A.M., of Manchester, New Hampshire.

WOODMAN SCHOLARSHIP—Endowed by the Paige Street Free Baptist Church, Lowell, Mass., in memory of Rev. Jonathan Woodman, a former pastor of the church.

Symonds Scholarship—Endowed by the Plymouth Street Free Baptist Church, Portland, in memory of Joseph Symonds, Esq., a deacon of the church.

Clements Scholarship—Endowed by the late Rev. Tisdale D. Clements of Lewiston.

Bridge Scholarship—Endowed by the late Charles Bridge, Esq., of Gardiner.

Lewis Scholarship—Endowed by the late Chace Lewis, Esq., of Providence, Rhode Island.

Class Scholarship—Endowed by the Class of 1877.

Bartlett Scholarship—Endowed by the Main Street Free Baptist Church, Lewiston, in memory of Rev. Flavel Bartlett.

Nathaniel Bowen Scholarship—Endowed by the late Mrs. Hannah Bowen of Providence, Rhode Island.

Cobb Scholarship—Endowed by the late Hon. C. C. Cobb of Lewiston, in memory of his son, Rev. Frank Woodbury Cobb, A.M., class of 1873.

Houghton Scholarship—Endowed by the late Rev. Alphonso L. Houghton, A.M., of Lawrence, Mass., class of 1870.

Randall Scholarship—Endowed by Mrs. Abby Randall in memory of Isaac Randall, Esq., of Johnston, R. I.

Williamson Scholarship—Endowed by Elias W. Williamson, Esq., of Potters Landing, Md., in memory of his father, Rev. Stephen Williamson, of Stark.

Quinnam Scholarship—Endowed by the late Mrs. James Hobbs of Chicago, Ill., in memory of her father, Rev. Constant Quinnam.

Eaton Scholarship—Endowed by Mrs. Oliver H. Durrell of Cambridge, Mass., in memory of her father, Rev. Ebenezer G. Eaton of Lewiston.

Baldwin Scholarship—Endowed by the late B. C. Baldwin, Esq., of Lowell, Mass., in memory of his wife.

Bonney Scholarship—Endowed by Mrs. Harriet Cheney Bonney and Sherman G. Bonney, M.D., in memory of Calvin F. Bonney, M.D., of Manchester, N. H.

Frye Scholarship—Endowed by the late Hon. William P. Frye, LL.D., of Lewiston.

Nutting Scholarship—Endowed by the late Lyman Nutting, Esq., of Lebanon, Pa., in memory of his sister, Mrs. Charlotte Nutting Chadbourne.

ELLIS SCHOLARSHIP—Endowed by the late Miss M. A. Wales of Boston, Mass., in memory of her pastor, Rev. Rufus Ellis, D.D.

TALPEY SCHOLARSHIP—Endowed by the late Hon. Charles W. Talpey of Farmington, N. H.

THISSELL SCHOLARSHIP—Endowed by the late Mrs. Abby T. Deering of Portland, in memory of Hon. John Thissell of Corinth.

WARD SCHOLARSHIP—Endowed by Mrs. Mary E. Ward, in memory of her husband, Warren Ward, Esq., of Auburn.

BEAN SCHOLARSHIP—Three scholarships endowed by the late Cyrus E. Bean of Portland, in memory of his father, Cotton Bean of Limerick.

SMALL SCHOLARSHIP—Endowed by James T. Small, Esq., of Lewiston, in memory of his son, Everett J. Small, class of 1889.

DYER SCHOLARSHIP—Endowed for the benefit of some student preparing for the Christian ministry, by the late Mrs. Irene M. Higgins, in memory of her parents, Mr. and Mrs. Jonah Dyer of Cape Elizabeth.

PAGE SCHOLARSHIP—Endowed by the late Peter Page, Esq., of New York City.

RAMSEY SCHOLARSHIP—Endowed by the late Mrs. V. G. Ramsey of North Berwick, in memory of her husband, Rev. G. P. Ramsey.

MATHEWS SCHOLARSHIP—Endowed by the late John M. Mathews, Esq., of Burlington, Vt., in memory of his daughter, Orissa Frances Mathews.

PERKINS SCHOLARSHIP—Endowed by the late Mrs. Moses W. Shapleigh of Ashland, N. H., in memory of her father, Rev. Thomas Perkins.

WOODBURY SCHOLARSHIP—Endowed by friends of the late Charles Woodbury of Boston, for the benefit of some Methodist student.

HARMON SCHOLARSHIP—Endowed by the late Ivory W. Harmon of Newton Center, Mass., in memory of his son, Wallace Ivory Harmon.

MARY L. STONE SCHOLARSHIP—Endowed by the late James S Stone of Boston, Mass., in memory of his wife.

JORDAN SCHOLARSHIP—Endowed by Merrill Page and Emily Deering Jordan, in honor of Rev. Zachariah and Sabrina Page Jordan.

CLAPP SCHOLARSHIP—Endowed by the late Lucius Clapp, Esq., of Randolph, Mass.

Lovina Haines Haskell Scholarship—Endowed by the late Edwin B. Haskell of Boston, Mass.

Fiske Scholarship—Endowed by the late Elizabeth S. Fiske of Boston, Mass.

Rowe and Clarry Scholarships—Endowed by a bequest of Mrs. Emily H. C. Rowe, in memory of her daughter, Miss Emma F. Clarry, and affording free tuition to four young women, preference to be given to worthy students from Brooks, Me.

Dexter N. Richards Scholarship—Endowed by Mrs. L. M. Richards of Brookline, Mass., in memory of her husband.

Stetson Scholarship—Endowed by the late Amos W. Stetson of Boston, Mass.

John D. Philbrick Scholarship—Endowed by the late Mrs. John D. Philbrick.

William Wells Cate Scholarship—Endowed by Rev. C. E. Cate, D.D., of Providence, R. I., in memory of his brother.

E. S. Jordan Scholarship—Endowed by the late Mrs. Clara Stanton Jordan, in memory of her husband.

Foster Lee Randall Scholarship—Endowed by the late Foster Lee Randall of Lewiston.

Stanley Scholarship—Endowed by Ezra B. Stanley of Manchester, Mass.

David and Thankful Jordan Scholarship—Endowed by their children.

Hopkins Scholarship—Endowed by the late Augustus Hopkins, Esq., of Gardiner, Maine, preference to be given worthy students from Gardiner.

Herrick Scholarship—Endowed by the late Katherine Gardiner Herrick and H. Adeliza Herrick of Lewiston, in memory of their parents, Samuel and Phebe H. Herrick, late of Northport, Me.

Tarbox Scholarship—Endowed by Oren Cheney Tarbox, M.D., Bates '80, in honor of his parents, Rev. Moses H. and Adrianna Weymouth Tarbox. Said scholarship to be applied for the aid of any deserving student, irrespective of age, color, sex or sect, preference being given, however, to a student contemplating the Christian ministry.

Osgood Scholarship—Endowed by Col. Charles H. Osgood of Lewiston, and Amy Elizabeth Hunter of Carbondale, Pa., in honor

of their father and mother, Henry A. and Elizabeth H. Osgood, for the benefit of some young man or woman from the State of Maine.

ALBINA ELIZABETH GOODSPEED SCHOLARSHIP—Endowed by Jessie L. Goodspeed, Gertrude C. Goodspeed, and Henry S. Goodspeed, of the city of New York, in memory of their mother—preference in awarding the scholarship to be given to a woman student.

CLASS SCHOLARSHIP—Endowed by the Class of 1887, descendants of members of the class to have the preference, when possible, in the benefits from the scholarship.

ARTHUR SEWALL WHITEHOUSE SCHOLARSHIP—Endowed by the Class of 1875, in memory of their scholarly and beloved classmate, born August 25, 1853, died February 18, 1874.

CHARLES E. MOODY SCHOLARSHIP—Endowed by his sister, the late Frances S. Moody.

JOHN P. HILTON SCHOLARSHIP—Endowed by the late Mrs. Mary Hilton, of Cambridge, Mass., in memory of her husband.

CLARA B. PERKINS SCHOLARSHIP—Endowed by the late Benjamin F. Perkins, of Bristol, N. H., in memory of his daughter.

LUCIA SPRING SCHOLARSHIPS—Five scholarships endowed by Miss Mary Isabella Corning, of East Hartford, Conn., in memory of her aunt, Miss Lucia Spring. These scholarships are primarily available for young women, but may be assigned to young men.

HERBERT L. BRADFORD SCHOLARSHIP—Endowed by his parents, Roscoe S. and Asenath J. Bradford, in memory of their son, Herbert Loring Bradford, who died in 1883 during the first term of his Freshman year at Bates,—for the benefit of a deserving young man.

HELEN HINKLEY SCHOLARSHIP—Endowed by the late Miss Helen Hinkley, of Augusta, Maine, the preference, when possible, to be given some student from the Free Baptist Church in Augusta.

BEAL SCHOLARSHIP—Endowed by the late Mrs. Lurenda E. Beal in memory of her children, Alice Beal and Parker Beal, who were graduated from Bates College in 1891.

THOMAS MARTIN SCHOLARSHIP—Endowed by the wife and children of the late Thomas Martin, for years an honored Trustee of Bates.

WASHINGTON LAFAYETTE COOPER SCHOLARSHIP—Endowed by Mrs. Sarah D. Cooper, of New York, in memory of her husband.

Mary Rhoda Emery Scholarship—Endowed by the late Mrs. Ella Rhoda Emery in memory of her daughter, for the benefit of a deserving woman student.

Grenville Pike Emery Scholarship—Endowed by Grenville C. Emery, Bates '68, in memory of his son, for the benefit of a worthy young man.

Ellen Byron Scruton Scholarship—Endowed by the late Ellen Byron Scruton of Lewiston.

Prouty Scholarship—Endowed by Miss Annie B. Prouty, of Somersworth, N. H., in memory of her mother, Mrs. Martha A. (Legro) Prouty, to be given annually to some student, preferably a relative of the donor.

The Jennie R. Smith Scholarships—Five scholarships of $1,000 each, endowed by the late Hon. Oramandel Smith to perpetuate the memory of his wife.

Silas Curtis Scholarship—Endowed by the late Rev. Silas Curtis of Concord, N. H.

The Charles L. Hunt Scholarship—Endowed by the late Charles L. Hunt, of Gleasondale, Mass., Bates '72.

For the Freshman year Bates offers two scholarships annually, one hundred dollars each, one to a young man and one to a young woman, members of the graduating class at Maine Central Institute, that have shown marked excellence in their preparatory school course.

For the Freshman year Bates offers two scholarships annually, one hundred dollars each, one to a young man and one to a young woman, members of the graduating class at New Hampton Literary Institution, that have shown marked excellence in their preparatory school course.

The Knowlton Scholarships—The late Hon. Hiram Knowlton of Portland, Maine, deposited with the Treasurer of the College $3,000, the income of which sum is to be used, when under the stipulated conditions it shall become available, for the maintenance of the following scholarships:

William and Mary Knowlton Scholarship—To perpetuate the names of his parents.

Sabrina Wood Knowlton Scholarship—To perpetuate the name of his wife.

William James Knowlton Scholarship—To perpetuate the name of his son.

Weber Scholarships—The Trustees, under the will of the late Frederick E. Weber of Boston, Mass., have been given five thousand dollars for the maintenance of Weber Scholarships, for the benefit of needy and deserving students at Bates College. It is a condition of the gift that one-half of the income shall be added to the principal year by year; and that the remaining half only shall be used for the support of said scholarships.

Joseph S. Ricker Scholarship Fund—A fund of $10,000, the income of which is distributed in equal sums among ten deserving women students—the beneficiaries to be selected, whenever practicable, from different counties in Maine.

Bradstreet Fund—The late William W. Bradstreet, of Gardiner, Me., established a Trust Fund of $2,000, the income of which is to be used for the benefit of deserving students, under the direction of the President of the College, and in accordance with certain conditions specified in the trust.

Coe Scholarship—A scholarship of $3,000, endowed by Thomas Upham Coe, of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

Dana Estes Scholarship—A permanent scholarship of $2,500, endowed by the late Dana Estes, A.M., of Boston, the income to be awarded annually to some needy and deserving student.

Henrietta G. Fitz Scholarship—A scholarship of $1,500, endowed by Mrs. Henrietta G. Fitz, of Boston, the income to be awarded annually to some worthy graduate of Proctor Academy, Andover, N. H.

Sarah C. Gower Scholarship—A scholarship of $2,000, endowed by the late Sarah C. Gower of Auburn, Me.

John Bartlett Kezar Scholarship—A scholarship of $2,000 endowed by Mrs. Nancy M. H. Kezar of San Francisco, in memory of her son. In awarding this scholarship preference is to be given to a deserving student from Turner, Me.

Cyrus Greely Fund—From the estate of the late Cyrus Greely, the College has received $10,000,—the principal of said sum to be safely invested and to be known as the Cyrus Greely Fund, and the income thereof to be appropriated annually for the benefit of deserving students of Bates College, preference being given to students from Lewiston.

Nancy Chase Edgecomb Fund—Since the suspension in 1908 of Cobb Divinity School as a Department of Bates College and the incorporation of certain of its courses with the work of the College there has been available "for and toward the maintenance and education" in the institution of "young men who are or who may be preparing themselves to preach the Gospel of Christ" or to engage in other kinds of Christian service, "and who need and who may need aid," the income of the Nancy Chase Edgecomb Fund. The amount of this income is at present about $740 annually. It is distributed by the Committee on Scholarships under the conditions above stated.

Student Loan Funds—From the estate of the late Mellen Bray, formerly of Newton, Mass., the College has received $4,000 to constitute "The Mellen Bray Student Loan Fund." From John W. Farwell, of Boston, the College has received $2,000 to constitute "The Lorenzo Gilman Howe Student Loan Fund." The income of the above funds may be loaned at the discretion of the President of the College to needy and worthy students.

PRIZES

FIRST—FOR GENERAL SCHOLARSHIP

To a young man and to a young woman of the Junior Class, prizes of TEN DOLLARS each.

To a young man and to a young woman of the Sophomore Class, prizes of EIGHT DOLLARS each.

To a young man and to a young woman of the Freshman Class, prizes of SIX DOLLARS each.

SECOND—FOR EXCELLENCE IN PUBLIC SPEAKING

In the Second Semester—To a young man and to a young woman of the Freshman Class, prizes of TEN DOLLARS each.

In the First Semester—To a young man and to a young woman of the Sophomore Class, prizes of TEN DOLLARS each.

Senior Exhibition—By means of a fund established in June, 1911, by Judge Oren Nelson Hilton, Bates 1871, of Denver, Colorado, a prize of THIRTY DOLLARS is available for the Senior whose part shall show the greatest excellence in thought, style, and delivery.

Commencement Week—To members of the Junior Class, one prize of FORTY-FIVE DOLLARS and one prize of THIRTY DOLLARS for original parts.

THIRD—FOR EXCELLENCE IN ENGLISH COMPOSITION

In the Second Semester—To a member of the Sophomore Class, a prize of TEN DOLLARS.

FOURTH—FOR EXCELLENCE IN GREEK

At the close of the first semester a prize of TEN DOLLARS each presented by Rev. W. Bertrand Stevens, of the class of 1906, to the young man in the Freshman Class, and to the young woman in the Freshman Class, who have done the best work in Greek.

FIFTH—FOR EXCELLENCE IN LATIN

At the close of the second semester a prize of TEN DOLLARS is presented by Dr. Daniel R. Hodgdon, of the class of 1908, to the student in the Junior Class who has done the best work in Latin.

SIXTH—FOR EXCELLENCE IN PUBLIC DEBATE

Second Semester—The Sophomore Champion Debates—Men's division; Women's division—Prizes amounting to TWENTY-FIVE DOLLARS in each section; ten dollars for the best debate, and fifteen dollars to the best team. Eight are chosen from the Sophomore Class to compete for these prizes.

Hon. F. M. Drew awards annually gold medals to men who win inter-collegiate debates.

SEVENTH—THE BRYANT PRIZE

Through the generosity of Mr. W. H. H. Bryant of Boston, Mass., a prize of FIFTY DOLLARS will be awarded annually to the member of the Senior Class who shall prepare the best essay upon "Arbitration instead of War."

PRIZES FOR 1919-1920

For the past year the prizes have been awarded as follows:

For General Scholarship—Winslow S. Anderson, Rachel S. Knapp, '21; Clarence A. Forbes, Harold W. Manter, Grace P. Gould, '22; Carl E. Purinton, Theodora R. Barentzen, '23.

For Public Speaking in 1920—Freshman, Stanley A. Galvariski, Jeanne C. Bachelin; Sophomore, Herbert A. Carroll, Helen M. P. Harris.

For Original Parts—1920—Edward A. Morris, Ruth Colburn.

For Senior Exhibition—Clarence E. Walton, '20.

For English Composition—Harold W. Manter, '22.

For Excellence in Greek—Herbert A. Carroll, Theodora R. Barentzen, '23.

For Excellence in Latin—Theodora R. Dennison, '21.

For Champion Debates, 1920—Robert B. Watts, '22; Men's division: Aurie I. Johnson, John W. Ashton, '22; Women's division: Elizabeth M. Becker, Mary A. Clifford, '22.

The Bryant Prize, 1920—Arthur F. Lucas.

The Coe Scholarship, 1920 (see p. 121)—Winslow S. Anderson, '21.

In the Intercollegiate Debate with Cornell University (in 1920) the winning team consisted of Arthur F. Lucas, '20, Charles M. Starbird, '21, Robert B. Watts, '22. In the Intercollegiate Debate with Harvard University (in 1920) the winning team consisted of Arthur F. Lucas, '20, Charles M. Starbird, '21, Robert

B. Watts, '22. In the Intercollegiate Debate with Yale University (in 1920) the winning team consisted of Charles M. Starbird, '21, Robert B. Watts, '22, William E. Young, '24. In the Intercollegiate Debate with Harvard University (in 1921) the winning team consisted of Edward A. Morris, '21, Aurie I. Johnson, '22, Robert B. Watts, '22.

For special proficiency in the work of any department, a student may receive an honorary appointment as assistant in that work. Such appointments for the present year are as follows: Argumentation, Gladys F. Hall, Robert B. Watts; Biology, Maynard S. Johnson, Robert Jordan, Harold W. Manter; Chemistry, Winslow S. Anderson, William O. Bailey, Arthur I. Bates, Harry S. Newell, Harold B. Whiting; English, John W. Ashton, Dorothy I. Haskell, Mildred C. Widber; Geology, Crete M. Carll, Morley J. Durost, Gladys F. Hall, Frank H. Hamlen, William H. Hodgman, Donald K. Woodward; Latin, Clarence A. Forbes; Mathematics, Grace H. Luce, Charles W. Peterson; Public Speaking, Hubert A. Allenby, Richard S. Buker, Ruth Colburn, Marceline E. Menard, Kenneth R. Steady; Physics, Donald K. Woodward.

The staff of the *Bates Student* for 1921 is as follows: Editor-in-chief, Robert B. Watts; managing editor, Lawrence D. Kimball; associate editors, Clifton T. Perkins, Harry C. McKenney, Dwight E. Libby, Katherine E. O'Brien, Frederica I. Ineson, David D. Thompson, John W. Ashton, Gladys I. Dearing, Eleanor R. Bradford, Ruth Cullens, John L. Reade, Albert A. Dunlap, Hazel M. Monteith, Marion E. Earle, Ruth O. Burdon, Carl E. Purinton, Harold C. Burdon, Dorothy K. Wheet, Robert G. Wade, Samuel Graves, Walter V. Gavigan, Edward W. Raye; business department: manager, Benjamin W. Avery; assistant managers, Neil R. Conant, Harold L. Bradford.

STUDENTS

SENIORS

NAME	RESIDENCE	ROOM
Allenby, Hubert Alfonso	Bridgetown, Barbados, B.W.I.	R. W. H.
Anderson, Winslow Samuel	Portland	R. W. H.
Bailey, Evelyn Mae	Brunswick	R. H.
Bartlett, Mary Elizabeth	Fremont, N. H.	R. H.
Bates, Arthur Irving	Lewiston	73 College St.
Bates, Marian Winnifred	Brookline, Mass.	R. H.
Belmore, Carl Warren	Wakefield, Mass.	P. H.
Bernard, Romeo Armand	Auburn	48 Third St., Auburn
Blackington, Frank Henry	Chester Depot, Vt.	P. H.
Bond, Willard Francis	Braintree, Mass.	P. H.
Bonney, Ada Claire	Canton	C. H.
Bowie, Ruth Evelyn	Lewiston	9 Libby Ave.
Bowman, Vyryan Mae Cecilia	Lewiston	44 Summer St.
Bradley, Ruth Alfreda	Westboro, Mass.	W. H.
Brewster, Laura Eleanor	Woodfords	R. H.
Bridges, Frank Lewis	Schenectady, N. Y.	P. H.
Buker, Richard Steele	Hampton, N. H.	R. W. H.
Canter, Edward Averill	Gardiner	P. H.
Carll, Crete Muriel	Waterboro	R. H.
Chandler, Lois Aurora	New Hampton, N. H.	R. H.
Colburn, Ruth	Canaan, N. H.	R. H.
Connolly, Emma Marion	York Village	R. H.
Cox, Cora Alice	West Lubec	154 Pine St.
Cusick, John Michael	Gardiner	P. H.
Cutler, Minerva Eliza	Medfield, Mass.	R. H.
Deane, Almon Eugene	South Weymouth, Mass.	P. H.
Dennison, Theodora	Dryden	C. H.
Dion, Maurice	Randolph	P. H.
Doe, Caroline Mary	Rumney, N. H.	R. H.
Dunlap, Annie Lillian	Richmond	C. H.
Durost, Morley Johnson	Mars Hill	150 Sabattus St.
Ebner, Raymond Anthony	Thomaston, Conn.	P. H.
Edwards, Mildred Pratt	Southington, Conn.	R. H.
Fairweather, Ethel Muriel	Portland	R. H.
Field, Clarence Alfred	Auburn	19 Williams St., Auburn
Findlen, Marguerite Helen	Fort Fairfield	R. H.
Fisher, Esther Emily	Lewiston	632 Main St.
Fisher, Ruth Katherine	Franklin, Mass.	R. H.
Ganley, Arnold Lincoln	West Groton, Mass.	P. H.
Gould, Barbara Pressey	Plymouth, N. H.	R. H.
Greene, Carroll Owen	Vinalhaven	P. H.
Gross, Leroy Calderwood	Vinalhaven	P. H.
Haley, Mabel Vaughn	Sabattus	C. H.

Hall, Gladys Florence	Manchester, N. H.	W. H.
Hall, Harry Thomas	Buckfield	P. H.
Hamlen, Frank Henry	Lewiston	142 Wood St.
Harriman, Edwin James	Lewiston	85 Pine St.
Harriman, Lester Boardman	Lewiston	85 Pine St.
Haskell, Dorothy Irma	Auburn	R. H.
Hatch, Bernice Mildred	Plymouth, N. H.	18 White St.
Hawkins, Eunice Irene	Lisbon, N. H.	R. H.
Healey, Agrandece Lactina	Pittsfield	R. H.
Herrick, Laura Margaret	Leeds	R. H.
Hill, Marguerite Frances	Old Orchard	R. H.
Hodgdon, Florence Eunice	Rochester, N. H.	R. H.
Hodgman, William Henry	Amherst, N. H.	P. H.
Hughes, Edna Frances	South Portland	R. H.
Hutchinson, George Royal	Readfield Depot	R. W. H.
Johnson, Maynard Stickney	Brownville	P. H.
Jones, Katherine Hunt	Norway	R. H.
Jordan, Robert	Cumberland Center	R. W. H.
Knapp, Rachel Southwick	Lewiston	32 Mountain Ave.
Libbey, Ruth	Wolfeboro Falls, N. H.	R. H.
Lindquist, Florence Gertrude	Manchester, N. H.	R. H.
McKinney, Roscoe Lewis	Washington, D. C.	P. H.
Menard, Marceline Eleanor	Pittsfield	142 Nichols St.
Merrill, Edna Leighton	Mechanic Falls	R. H.
Miller, Dorothy	South Berwick	R. H.
Moore, Lewis Tanner	Washington, D. C.	P. H.
Morris, Edward Allen	Auburn	40 Washington St., Aub.
Morrison, Isabella Fairley	Newtonville, Mass.	R. H.
Paul, Charles Ditchfield	Springfield, Mass.	R. W. H.
*Penny, Carl	Cliftondale, Mass.	P. H.
Perkins, Leon Winthrop	Ogunquit	R. W. H.
Peterson, Charles Welch	South Portland	P. H.
Philbrook, Ernestine	Bethel	R. H.
Pike, Arlene Howland	Rangeley	R. H.
Rand, Carleton Hobart	Lewiston	82 Pierce St.
Roy, Gabrielle Marie	Lewiston	176 Pine St.
Safford, Vera Blanche	Augusta	R. H.
Small, Melville Lee	Stonington	P. H.
Smith, Otho Francis	Franklin	P. H.
Starbird, Charles Millard	Danville	Danville
Stevens, Charles Laurence	Stoneham, Mass.	Ch. H.
Stiles, Ruth	Fort Michie, N. Y.	R. H.
Stoehr, Marie	Sabattus	Sabattus
Tapley, Roland William	Lewiston	161 Holland St.
True, Howard Dexter	Phillips	P. H.
Varney, Edward Chesley	Milton, N. H.	P. H.
Walker, Constance Anna	Bridgton	C. H.
Warren, Marion Elizabeth	Auburn	90 Whitney St., Auburn
Webster, Millard Duston	Lewiston	370 College St.
Weymouth, Clarice Vivian	Kingfield	R. H.
Whiting, Norma Valerie	Auburn	3 Josslyn St., Auburn

Widber, Mildred Clark	Portland	R. H.
Wiggin, Carleton Low	Sanford	P. H.
Wight, Donald Gordon	Bolsters' Mills	P. H.
Wiles, Loys Arthur	Groveton, N. H.	P. H.
Woodard, Donald Kenneth	New Bedford, Mass.	P. H.
Woodbury, Robert Isaac	Topsfield, Mass.	P. H.
Yeaton, Evelyn Henrietta	Richmond	R. H.
Young, Karl Richard	Lewiston	48 Ash St.

JUNIORS

NAME	RESIDENCE	ROOM
Allen, Clarence Everett	Holbrook, Mass.	R. W. H.
Armstrong, Marguerite Stanley	Lancaster, N. H.	10 Hammond St.
Ashton, John William	Lewiston	82 Webster St.
Avery, Benjamin Waldo	Jefferson	R. W. H.
Bailey, William Oscar	Auburn	19 Dexter Ave., Auburn
Blackmer, Mavorette Evelyn	Erving, Mass.	R. H.
Bradford, Eleanor Rae	Buckland, Mass.	C. H.
Bryant, Homer Chenery	Portland	R. W. H.
Buker, Raymond Bates	Hampton, N. H.	R. W. H.
Buote, Frank Albert	Roxbury	P. H.
Burgess, Alosco Manser	Auburn	19 Drummond St. Aub.
Burgess, Llewellyn Allinson	Worcester, Mass.	R. W. H.
Campbell, Warren Cameron	South Portland	R. W. H.
Carpenter, Roland Joy	Patten	P. H.
Cary, Mildred Methyl	Brockton, Mass.	R. H.
Case, George Asbury	Lewiston	P. H.
Chamberlain, Frank Edward	Portland	P. H.
Clark, Beatrice Astrea	Laconia, N. H.	M. H.
Clifford, Earle Augustus	Winthrop	R. W. H.
Coombs, Helen Amelia	Lewiston	106 Holland St.
Crockett, David	Lewiston	13 Cottage St.
Cullens, Ruth	Groveland, Mass.	R. H.
Cutler, Felix Vining	Medfield, Mass.	P. H.
Davis, Dorothea	Rochester, N. H.	M. H.
Dearing, Gladys Inez	South Portland	M. H.
Drake, John Francis	Lewiston	10 Wood St.
Drew, Kathleen Gertrude	Littleton, Mass.	R. H.
Drew, Marion Agnes	Littleton, Mass.	R. H.
Earle, Maurice Lester	Litchfield	P. H.
Emery, Howard Rodney	West Paris	P. H.
Fernald, Florence Edna	Alfred	R. H.
Fieneman, Wilhelmina Anna	Farmington, Conn.	R. H.
Flannagan Joseph Michael	North Bellingham, Mass.	P. H.
Forbes, Clarence Allen	Colebrook, N. H.	R. W. H.
French, Carl Gardner	Everett, Mass.	P. H.
Frost, Florence Afton	Lewiston	82 Horton St.
Fullerton, Alice Thelma	Ellsworth	R. H.
George, Grace Monroe	Manchester, N. H.	10 Riverside St.
Goding, Lucille Addie	Lewiston	349 Main St.

Gould, Grace Palmer	Lyndon Center, Vt.	M. H.
Gray, James, Jr.	Lewiston	394 Sabattus St.
Griffin, Arthur Russell	South Portland	R. W. H.
Hanscom, Kathryn	Bethel	R. H.
Hanson, Rutherford	Gorham	R. H.
Harriman, Helen Julia	Lewiston	85 Pine St.
Hayes, Georgiana Colby	Gorham	R. H.
Hayward, Maude Irma	Millbury, Mass.	R. H.
Herling, Lilli Ella	Lewiston	89 King Ave.
Holt, Dorothy	Nutley, N. J.	M. H.
Hooper, Doris Eloise	Gorham	C. H.
Ineson, Frederica Ilsley	South Freeport	36 Frye St.
Ireland, Elwood Fremont	Lewiston	26 Mountain Ave.
Jackson, Cleora Marguerite	Auburn	144 Spring St. Auburn
Jenkins, William Gurney	Hartford, Conn.	P. H.
Johnson, Aurie Ivan	Buffalo, N. Y.	P. H.
Jordan, Caroline Theresa	Lewiston	10 Bearce Ave.
Judkins, Dorothy Albina	Lisbon	Lisbon
Judkins, Marion Miller	Rockland	340 College St.
Kassay, John Janvari	Springfield, Mass.	R. W. H.
Kelley, Thomas Francis	Gardiner	P. H.
Kimball, Laurence Dustin	Bethel	R. W. H.
Knight, Rosalia Edgecomb	Turner Center	R. H.
Langley, William Harold	Milton Mills, N. H.	P. H.
Laurance, Maude Adelia	Lewiston	72 Walnut St.
Libby, Dwight Evileth	West Poland	R. W. H.
Lidstone, Izetta Elizabeth	Patten	C. H.
Little, Mary Elizabeth	Carlisle, Mass.	M. H.
Longley, Dorris Sibley	Norway	15 Arch Ave.
Luce, Grace Hazel	Hallowell	16 Frye St.
McKenney, Harry Clifton	Gardiner	P. H.
Manser, Doris Ella	Auburn	115 Spring St., Auburn
Mansour, Alexander Elias	Lowell, Mass.	P. H.
Manter, Harold Winfred	Anson	R. W. H.
Minot, Frances Lydia	Belgrade	340 College St.
Mitchell, Lola Velma	Sabattus	C. H.
Mixer, Martha Virginia	Norway	118 Pine St.
Moulton, Maynard Webster	Auburn	P. H.
Naiman, George Jack	Randolph	P. H.
Newell, Harry Severy	Turner	P. H.
O'Brien, Katherine Elizabeth	Portland	C. H.
Parsons, Alice Ruth	Gardiner	M. H.
Perkins, Clifton Todd	Dover, N. H.	R. W. H.
Perry, Elva May	Norway	377 College St.
Potter, Paul Barber	Griswold Conn.	P. H.
Richardson, Helen Mildred	Sabattus	C. H.
Ross, Norman Ernest	Biddeford	P. H.
Rounds, Carl Pulsifer	Lewiston	567 Main St.
Smith, Delora Alpen	Livermore Falls	36 Frye St.
Smith, Maurice Preston	Meredith Center, N. H.	P. H.
Spratt, Stanley Ward	Woonsocket, R. I.	P. H.

Starbird, Mildred Isabelle	Lewiston	392 Sabattus St.
Steady, Kenneth Ralph	Berlin, N. H.	R. W. H.
Stickney, Edward Gatchell	North Sebago	P. H.
Stiles, Herbert Stanley	Readfield	R. W. H.
Stone, Olive Joyce	Norway	C. H.
Stonier, James Edward	Gardiner	P. H.
Sullivan, Kenneth Frank	Houlton	P. H.
Sylvester, Wilfred Bancroft	Reading, Mass.	P. H.
Taylor, Russell Peter	Rumford	P. H.
Thompson, Daniel	Sabattus	Sabattus
Thompson, David Dennett	Lewiston	30 White St.
Traver, Doris Evonne	Lowell, Mass.	R. H.
Waddell, Helen Annesley	Florida, N. Y.	R. H.
Watts, Robert Burnham	Portland	R. W. H.
Whiting, Harold Burton	Auburn	P. H.
Whittier, Bertha Kaye	East Walpole, Mass.	R. H.
Wiley, David Milton	Solon	P. H.
Wills, Frances Muriel	Lewiston	143 Horton St.
Wills, Vivian Osca	Auburn	R. H.
Wimersberger, Evelyn Georgiana	Lundy's Lane, Pa	R. H.
Wyman, Margaret Grey	Cumberland Center	R. H.
Wyman, Mildred Herrick	Cumberland Center	R. H.
Yeaton, Eleanore	Auburn	153 Whitney St., Aub.

SOPHOMORES

NAME	RESIDENCE	ROOM
Abbott, Emma Elizabeth	Presque Isle	36 Frye St.
Adams, Beatrice Mae	Winthrop	36 Frye St.
Atwood, Elizabeth	Carver, Mass.	36 Frye St.
Austin, Oliver Daniel	Sabattus	P. H.
Bachelin, Jeanne Cecile	Rumford	149 Wood St.
Baker, Esther Augusta	Kennebunkport	16 Frye St
Baker, Mildred Frances	Randolph	36 Frye St.
Barentzen, Theodora Rose	Augusta	137 Court St., Auburn
Batten, Raymond James	Wakefield, Mass.	P. H.
Bean, Herbert Romanzo	Lewiston	R. W. H.
Blaisdell, Amy Viola	York Village	16 Frye St.
Blouin, Margaret Alice	Lewiston	47 Pierce St.
Bowie, Harold Everett	Lisbon Falls	P. H.
Bradford, Harold Lawrence	Livermore Falls	P. H.
Bragg, Arthur Norris	Pittsfield	R. W. H.
Buck, Donald Crosby	Norway	R. W. H.
Burdon, Harold Cuthbert	Gilbertville, Mass.	R. W. H.
Burdon, Ruth Orodell	Gilbertville, Mass.	36 Frye St.
Burrill, Richard Odiorne	Brewer	P. H.
Burton, Helen Irene	Bangor	16 Frye St.
Carroll, Herbert Allen	Cyrus, Mass.	R. W. H.
Chick, Marian Vaeiletta	Monmouth	16 Frye St.
Clifford, Burton Kinney	South Paris	P. H.
Conant, Neil Rendall	Auburn	246 Court St., Auburn

Cottle, Alice Beulah	Lewiston	32 Sylvan Ave.
Crossland, Alice Maud	Portland	36 Frye St.
Cunningham, Alice Jane	Gardiner	36 Frye St.
Daley, Grace Catharine	Kingston, N. H.	16 Frye St.
Davis, John	Kennebunk	H. H.
Descoteau, Arthur Charles	Norway	P. H.
Diehl, Lester Marvin	Cresskill, N. J.	P. H.
Dunlap, Albert Atkinson	Bowdoinham	P. H.
Dunlap, Ruth Emily	Laconia, N. H.	16 Frye St.
Earle, Marion Arlene	Litchfield	C. H.
Elms, Dorothy	Auburn	10 Dennison St., Auburn
Farrow, Merrill Arthur	West Brooksville	P. H.
Files, Dorice Gretchen	Pittsfield	24 Frye St.
Files, Elizabeth Hanson	East Orange, N. J.	36 Frye St.
Filliettaz, Charles Maurice	Bar Harbor	P. H.
Fogg, John Garner	Portland	P. H.
Gagnon, Rodolphe Alfred	Lewiston	210 Pine St.
Gifford, Warner Tilton	Lewiston	R. W. H.
Guiney, William Edward	Biddeford	P. H.
Hamlin, James Betts	North Bridgton	P. H.
Harris, Florence Alta	Monmouth	Auburn, R.F.D. 7
Harris, Helen Morrison	Carmel	16 Frye St.
Hathaway, Lloyd Arnold	Bryant Pond	R. W. H.
Herbst, Paul Anthony	Lewiston	37 Nichols St.
Hilbourne, Edward Wesley, Jr.	Cliftondale, Mass.	P. H.
Hoyt, Helen Hildred	Presque Isle	36 Frye St.
Huntress, Fred Allston	Groveland, Mass.	P. H.
Hutchinson, Albert Wallace	Readfield Depot	R. W. H.
Irving, Norman Joseph	Randolph	P. H.
Jesseman, Alice Mary	Lisbon, N. H.	36 Frye St.
Johnson, Ernest Benjamin	Portland	Elm House, Auburn
Kennelly, James William	North Bellingham, Mass.	P. H.
Laing, Allison	Hillsdale, N. Y.	36 Frye St.
Leader, Ruth Bernice	Lewiston	102 Nichols St.
Lesieur, Pierre Oscar	Biddeford	P. H.
Lombard, Gertrude Louise	Saxton's River, Vt.	36 Frye St.
Luce, LeRoy Clark	Somerset	P. H.
*McGinley, Frank Flint	South Paris	P. H.
McMullen, Tobias Thomas	Gardiner, New Elm House, Auburn	
MacLean, Earle Charles	Everett, Mass.	P. H.
Marcus, Helen Lillian	Cuddebackville, N. Y.	36 Frye St.
Marriner, Robie Donald	Belfast	P. H.
Mayberry, Bertha Alma	Auburn	335 Minot Ave., Auburn
Milliken, Nelly Knowlton	Augusta	36 Frye St.
Miniter, John Raymond	Allston, Mass.	P. H.
Monteith, Hazel Margaret	Rumford	16 Frye St.
Morse, Amos Clifton	Newburyport, Mass.	149 Holland St.
Nason, Philip Stephen	Newton, N. H.	R. W. H.
Noyes, Frederick Charles	Vinalhaven	P. H.
Palmer, Harris Cary	East Sumner	R. W. H.
Peaslee, Clarence Capen, Jr.	Auburn	42 Goff St., Auburn

Pillsbury, Ella Marjorie	Limington	36 Frye St.
Pinckney, Theodore Roosevelt	Washington, D. C.	P. H.
Plummer, Mabel Horr	South Auburn	160 Holland St.
Prescott, Hazel Edith	Worcester, Mass.	235 College St.
Purinton, Carl Everett	Lewiston	R. W. H.
Reade, John Leslie, Jr.	Lewiston	18 Wakefield St.
Ripley, Ernest Ebor, Jr.	Methuen, Mass.	P. H.
Roberts, Edward Freeman	Lewiston	128 Wood St.
Roberts, Elsie Louise	Kennebunk	36 Frye St.
Robinson, Ernest Webster	Concord, N. H.	R. W. H.
Robinson, Paul	Lewiston	Webster St.
Rogers, Vivienne Iolia	Pittsfield	36 Frye St.
Rose, Gerald Albert	Ridlonville	P. H.
Rowe, Percy Scott	Lewiston	123 Howe St.
Simmons, Mabel Ruth	No. Stoughton, Mass.	16 Frye St.
Small, Clarice Augusta	Ridlonville	16 Frye St.
Small, Frances Maud	Stonington	36 Frye St.
Stevens, Philip Litchfield	Auburn	27 Shepley St., Auburn
Tarr, William Leonard	New Haven, Conn.	P. H.
Tiffany, Elberton Jay	Pittsfield	R. W. H.
Tillson, Stanley Clyde	Belgrade Lakes	P. H.
Wade, Robert George	Rockland, Mass.	P. H.
Walden, Marjorie Frances	Portsmouth, N. H.	R. H.
Walker, Carleton Leslie	Brewer	P. H.
Wallingford, Marcia Edna	Alfred	253 Pine St.
Weeks, John Roland	Meredith, N. H.	H. H.
Wheet, Dorothy Kempton	Westbrook	36 Frye St.
Whiting, Norine Errol	Auburn	3 Josslyn St., Auburn
Wiggin, Ernest Rankin	Mexico	P. H.
Wiggin, Mary Dorothy	North Baldwin	1 Frye St.
Wolman, Charles Kenneth	Gardiner	P. H.
Worthley, Mary Genn	East Machias	16 Frye St.

FRESHMEN

NAME	RESIDENCE	ROOM
Alexander, Raymond Perry	Upton, Mass.	J. B. H.
Anderson, Ester	Marlboro, N. H.	M. H.
Andrews, Thomas Houston	Dorchester, Mass.	J. B. H.
Baker, Helen Eudora	Gorham	30 Orange St.
Baker, Oliver Prescott	North Anson	J. B. H.
Bannister, Nellie	Colebrook, N. H.	M. H.
Barber, Ruth Francis	Randolph	W. H.
Barker, Errol	East Stoneham	J. B. H.
Barratt, Constance Jennie	Millbury, Mass.	W. H.
Bartlett, Morton Covell	Plymouth, Mass.	J. B. H.
Batten, Wilbur Marsh	Wakefield, Mass.	J. B. H.
Bergmann, Henry Max	New Haven, Conn.	R. W. H.
Birmingham, John Milton	Haverhill, Mass.	J. B. H.
Blake, Frank Gardner	West Upton, Mass.	J. B. H.
Bradbury, Milton Albert	Cliftondale, Mass.	P. H.

Breneman, LeRoy Beede	Auburn	R. W. H.
Brookings, Anne Belle	Wiscasset	W. H.
Brown, Catherine Arnold	Mars Hill	M. H.
Bryant, Frederick Alfonzo	Page, N. D.	P. H.
Bryant, Louise Blanche	Lebanon, N. H.	M. H.
Buchanan, Winifred Harriett	Auburn	22 Harris St., Auburn
Burt, Carleton Webber	North Attleboro, Mass.	J. B. H.
Butterfield, Zilphaetta	Portland	M. H.
Cahill, John Henry	Milford, N. H.	P. H.
Canter, Myer Bernard	Lewiston	110 Horton St.
Canty, Augustus Fallman	East Boston, Mass.	J. B. H.
Card, Estella Mabelle	Farmington, N. H.	M. H.
Chaffin, Marion Elizabeth	Lewiston	70 Nichols St.
Chamberlin, Helen Farrar	Auburn	25 Parker St., Auburn
Charron, Joseph Lucian	North Leeds	P. H.
Chase, Helen Sherman	Lewiston	20 Frye St.
Childs, Arline Beatrice	Mexico	173 Oak St.
Clark, Richard Stephen	Wakefield, Mass.	J. B. H.
Coburn, Dorothy	Lewiston	10 Frye St.
Cogan, Joseph William	Stoneham, Mass.	P. H.
Coleman, Owen	Readfield Depot	R. W. H.
Collins, Elizabeth	Lewiston	7 Mountain Ave.
Converse, Hazel Munyan	Putnam, Conn.	C. H.
Coronios, Demosthenes James	Haverhill, Mass.	J. B. H.
Corson, Cynthia Grace	Auburn	51 Shepley St., Auburn
Curtis, **Thorold Stickney**	Stoughton, Mass.	P. H.
Davis, Lucile	Lisbon Falls	W. H.
Day, Florence Elizabeth	Gorham	W. H.
DeLany, Alfred	Hartford, Conn.	J. B. H.
Dennison, Mary Leona	Dryden	W. H.
Diggle, Edna	Lewiston	80 Russell St.
Dinsmore, Norman Bonnell	Auburn	7 Grove St., Auburn
Duncan, George Prescott	East Jaffrey, N. H.	P. H.
Dunham, Carl Ernest	Portland	J. B. H.
Dyer, Katherine Branscomb	Fryeburg	M. H.
Eldridge, Vera Louise	Amherst, Mass.	M. H.
Emerson, Florence Isabella	Auburn	22 Whitney St., Auburn
Emery, Philip Lester	Bar Harbor	P. H.
Fairbanks, Wallace Woodman	Lewiston	67 Wood St.
Fairfield, Esther Ramona	Biddeford	W. H.
Faust, Herman	Needham Heights, Mass.	J. B. H.
Field, Hazael Elizabeth	Brunswick	W. H.
Fifield, Louise Doris	Augusta	M. H.
Finegan, Andrew Paul	Gouverneur, N. Y.	P. H.
Foynes, Edward Nixon	Brighton, Mass.	J. B. H.
Frost, Carroll Everett	Bar Harbor	J. B. H.
Gallop, Doris Elizabeth	Ridlonville	M. H.
Gates, John Hobart	East Haven, Conn.	R. W. H.
Gavigan, Walter Vincent	Willimantic, Conn.	J. B. H.
Genthner, Lucy Eunice	Gardiner	W. H.
Gifford, Mary	Lewiston	390 College St.

Gilpatric, Clarence Elmer	Bristol, N. H.	P. H.
Gilpatric, Wesley David	Bristol, N. H.	P. H.
Glidden, Vernard Earle	Portland	J. B. H.
Gormley, John Paul	Gouverneur, N. Y.	P. H.
Gould, Warren Herbert	Buckland, Mass.	P. H.
Graves, Royal Sandford	Lisbon Falls	Lisbon Falls
Graves, Samuel Matthews	New Haven, Conn.	9 Arch Ave.
Green, Rolvin Charles	Lisbon Falls	P. H.
Hall, Ellen	Rumford	30 Ware St.
Hall, Robert Tremaine	Pittsfield, Mass.	R. W. H.
Hamm, Helen Lorana	Woodfords	M. H.
Harmon, Elizabeth Ryerson	Worcester, Mass.	W. H.
Harradon, Marcella Myrtis	Auburn	W. H.
Harriman, Jesse Elmer	Lewiston	85 Pine St.
Harrington, George Monroe	Willimantic, Conn.	J. B. H.
Hebb, Grace Rolfe	Bridgton	M. H.
Henry, Bernard Dunham	Pittsfield	Orange St.
Hilton, Linwood Benjamin	Lewiston	20 Wood St.
Hodgkins, Florence Elizabeth	Lisbon Falls	W. H.
Hoit, Janice	Auburn	104 Davis Ave., Auburn
Holt, Sherman Johnson	Auburn	Auburn
Howe, Robertine Burditt	Rumford	M. H.
Hurley, James William	Lewiston	140 Horton St.
Hutchinson, Alberta	Auburn	24 Spring St., Auburn
Johnson, **Carl Walter**	Springfield, Mass.	P. H.
Johnson, Herbert **Olaf**	Chelmsford, Mass.	J. B. H.
Johnston, William Arthur	Milford, N. H.	P. H.
Kalaboka, Kyriake Lillian	Ipswich, Mass.	73 Pine St.
Kane, Charles, Jr.	Gouverneur, N. Y.	P. H.
Kaufman, Joseph Solomon	Lynn, Mass.	J. B. H.
Kempton, Rudolf Theodore	Haverhill, Mass.	J. B. H.
Kisk, Esther Christine	Worcester, Mass.	W. H.
Knowles, David Arthur	Portland	J. B. H.
Lamb, Dorothy	Worcester, Mass.	W. H.
Lary, Howard Noyes	Lewiston	P. H.
Leighton, Roland Bemeit	Gardiner	J. B. H.
Lemaire, Florence Gertrude	Lewiston	111 Horton St.
Levine, Abraham Bernard	Wakefield, Mass.	P. H.
Libby, Paul Osland	Leicester, Mass.	J. B. H.
Lindsey, Walter Kenneth	Jonesboro	R. W. H.
Lincoln, Mildred Elizabeth	West Leeds	M. H.
Littlefield, Porter Elmer	Lynn, Mass.	J. B. H.
Logan, Thelma Doris	South Portland	M. H.
Luce, Wilbur Marshall	Readfield Depot	R. W. H.
Lynch, Catherine Mary	Lewiston	175 Oak St.
McFarlane, Donald, Jr.	East Braintree, Mass.	R. W. H.
McIntyre, Beulah Frances	Berwick	W. H.
Manser, Marjorie Storer	Auburn	115 Spring St., Auburn
*Mennealy, Thomas Randall	Lewiston	34 Sylvan Ave.
Mennealy, William Palmer	Lewiston	34 Sylvan Ave.
Milliken, Vivian Chase	Augusta	M. H.

Mitchell, James William	Stoughton, Mass.	P. H.
Mowry, Elsie Louise	Woonsocket, R. I.	M. H.
Murray, Helen Edna	Lewiston	14 College St
Neale, Leander Martin	Woodland	P. H.
Newman, Frank Douglas	Augusta	J. B. H.
Nichols, Mary Ursula	Peterborough, N. H.	W. H.
Norton, Earle William	Gardiner	J. B. H.
Partridge, Robert Manning	Andover, Mass.	J. B. H.
Paul, Erma Margarite	Auburn	W. H.
Pearlstein, Vere Eric	Colebrook, N. H.	J. B. H.
Pierce, Edward Winslow, Jr.	Brookline, Mass.	J. B. H.
Pollister, Arthur Wagg	Danville	P. H.
Pollister, Richard Ernest	Danville	P. H.
Raye, Edward Wesley	Lynn, Mass.	J. B. H.
Raymond, William Briry	Bowdoinham	J. B. H.
Reed, Robert George	Contoocook, N. H.	R. W. H.
Reed, Victor Errol	Harmony	164 Holland St.
Reinhardsen, Raymond Jerome	Mount Vernon, N. Y.	P. H.
Reis, Waldo Freeman	West Chelmsford, Mass.	J. B. H.
Rice, Elizabeth Randall	Natick, Mass.	M. H.
Rice, William Henry Donald	Norway	88 Elm St.
Ricker, Dorothy	Waterboro	37 Davis St.
Riley, Mildred Esther	Sabattus	Sabattus
Ross, Donald Stanton	Gardiner	J. B. H
Ross, Glenn Charles	Paris	J. B. H.
Rowe, Guy Edmund	Lewiston	123 Howe St.
Sanborn, Alice Whitehouse	Boothbay Harbor	61 Nichols St.
Sanborn, Llewellyn Herbert	Boothbay Harbor	491 Main St.
Sawyer, Phyllis Arelene	Westbrook	W. H.
Scott, Arthur Burton	Gardiner	P. H.
Seager, Theodore Dwight	Brighton, Mass.	J. B. H.
Shaw, Robert Stickney	Auburn	Auburn
Singer, David Gabriel	Lewiston	14 Pine St.
Small, Abbie Beulah	West Scarborough	350 College St.
Smalley, Karl Raymond	Belfast	J. B. H.
Smith, Clarence Proctor	Cornish	J. B. H.
Smith, Geraldine Dayson	Malden, Mass.	W. H.
Smith, Lester Eric, Jr.	Portland	J. B. H.
Staebner, Harold Hewes	Willimantic, Conn.	J. B. H.
Stanley, Richard Jackson	Lewiston	32 Frye St.
Staples, Richmond Everett	Warren, R. I.	P. H.
Stephens, Mildred Ida	Auburn	155 Pleasant St., Auburn
Stickney, Norman	Auburn	36 Lake St., Auburn
Stone, Katherine Addie	Waterford	M. H.
Tarbell, Willard Stevens	Mapleton	J. B. H.
Thompson, Esther	Colebrook, N. H.	12 Webster St.
True, Alma Harriet	New Gloucester	M. H.
Turner, George Daniel	Mapleton	J. B. H.
Ulman, Nina Madeline	Monson	W. H.
Urann, Irving Clifton	Ellsworth	J. B. H.
Waddell, Richard Lord	Florida, N. Y.	J. B. H.

Walker, Jay Augustus	Lisbon	J. B. H.
Ware, Ethan Earle	Washington, D. C.	P. H.
Warren, Laura Georgia	Lewiston	129½ Wood St
Watson, Elmer Hazen	Norway	J. B. H.
Wescott, Ruth	Madison	W. H.
Wilson, Elwin Leander	Bethel	J. B. H.
Wilson, Eleanor Gertrude	Berlin, N. H.	W. H.
Wilson, Kenneth Michael	Pyretes, N. Y.	P. H.
Wolynec, Paul	Lawrence, Mass.	71 Park St.
Woodworth, Raymond Henry	South Paris	J. B. H.
Young, Carl West	Bar Harbor	P. H.
Young, Deborah Althea	York Beach	M. H.
Young, Elton Stanley	Auburn	420 Court St., Auburn
Young, William Ernest	Lewiston	48 Ash St.

SPECIALS

NAME	RESIDENCE	ROOM
Allen, Ernest Foster	Cliftondale, Mass.	P. H.
Bartlett, Greenleaf Kenneth	Belgrade Lakes	P. H.
Betts, Charles Henry	Cliftondale, Mass.	P. H.
Caldwell, Curtis Holbrook	Winchester, Mass	P. H.
Crowe, Walter Reid	Madison	J. B. H.
Doe, Robert Hamilton	Franklin, Mass.	J. B. H.
Farley, Arthur Harris	Lynn, Mass.	P. H.
Finnegan, Herbert Alfred	Brighton, Mass.	J. B. H.
Herrick, Horace Perry	Southwest Harbor	J. B. H.
Hoxie, Clarence Donald	Dover	P. H.
Jordan, Clifford Randall	Mechanic Falls	Mechanic Falls
Kenerson, Homer Dwight	Cliftondale, Mass.	P. H.
Libby, Raymond Bertram	Gardiner	New Elm House, Aub.
Marshall, George Alexander	Portland	P. H.
Martel, Louis Joseph	Lewiston	84 Bartlett St.
Morey, George Harold	Manchester, N. H.	P. H.
Pasquale, Philip Bernard	Lewiston	28 Bartlett St.
Redman, John Everett	Augusta	P. H.
Rich, Henry Alexander	Boston, Mass.	P. H.
Seifert, Erwin Anthony	Dorchester, Mass.	P. H.
Sprague, Bernard Elmer	Augusta	P. H.
Tarbell, Karl Kenneth	Mapleton	J. B. H.
Woodman, Harold	Auburn	63 School St., Auburn

*Absent during the year.

SUMMARY

Seniors	102
Juniors	113
Sophomores	107
Freshmen	182
Special Students	23
	527
Summer Session	107
	634

H. H.—Hathorn Hall
R. W. H.—Roger Williams Hall
P. H.—Parker Hall
J. B. H.—John Bertram Hall
R. H.—Rand Hall
C. H.—Cheney House
M. H.—Milliken House
W. H.—Whittier House
Ch. H.—Chase Hall

SUMMER SESSION

The second Summer Session of Bates College was held from July 6 to August 6, 1920. By this means Bates aims to furnish professional training for teachers-in-service, and in so doing it is continuing the unique policy of confining its attention to the secondary school field, with particular stress upon the junior high school movement. Courses were conducted in nine departments: Education, English, French, History and Government, Mathematics, Physical Education, Religious Education, Science, and Spanish. The summer courses are especially adapted to:

1. School superintendents, secondary school principals, supervisors, and other school officers.

2. Teachers who desire to fit themselves for service in junior high schools.

3. Teachers in junior and senior high schools or grammar schools, who wish to pursue advanced study in their own subjects or gain a better equipment for teaching by taking up other branches.

4. Teachers and students interested in securing academic credit toward either the Bachelor's or the Master's degree.

The corps of instructors was comprised of twelve specialists. Four were members of the regular College faculty, and the others came from various educational centers, including Portland, Me., Kearney, Neb., Cincinnati, O., Boston and Springfield, Mass.

There was a registration of 107 students—27 men and 80 women—an increase of more than 50% over the preceding year. Of this number, 96 had had experience as either junior or senior high school teachers, principals, or superintendents. Twenty-nine were normal school graduates, 40 were college graduates, and 1½ had completed one or two years of college work. Seven states other than Maine were represented.

The Summer Session of 1921 will probably be held July 5 to August 5. It is likely that new departments will be added, together with new courses in departments already included. Definite information will be obtainable by March 1 Inquiries should be addressed to Director of Summer Session, Bates College, Lewiston, Maine.

SUMMER SESSION STUDENTS, 1920

Allen, Mrs. Florence E.	South Portland
Allen, Lila J.	Lewiston
Allen, Ruth O.	Rye, N. H.
Alley, Jessie W., A.B.	Auburn
Baker, Maud N.	Auburn
Bean, Herbert R.	Lewiston
Beckett, Edith L.	Calais
Briggs, Adelaide L., A.B.	Portland
Brown, Clarence H., A.B.	North Woodbury, Conn.
Bryant, Frances V., A.B.	South Portland
Callahan, Edward J., A.B.	Washington, D. C.
Callahan, Theresa M., A.B., B.Pd.	Lewiston
Capen, Ruth, A.B.	Newburyport, Mass.
Carroll, Mary G.	Auburn
Carter, Lewis L.	Auburn
Carver, John S., A.B.	Hallowell
Chapman, Clara A., A.B.	North Andover, Mass.
Chapman, Veva M., A.B.	Braintree, Mass.
Christensen, Einar O.	Bridgton
Clement, Rufus W.	Plainfield, N. J.
Cobb, Harold P., A.B.	Hollis
Conley, T. Edward	Lewiston
Cook, Mrs. Jessie W.	Chilocco, Okla.
Coombs, Frances	Yarmouth
Cummings, F. Pearle	Auburn
Cummings, Jennie W.	Auburn
Day, Marian D.	Beverly, Mass.
DeWever, James, B.S.	Dexter
Dyer, Mildred F.	Sanford
Emerson, Lelia E.	Buck's Harbor
Estes, Frances	Lewiston
Estey, Rebecca J., A.B.	Warwick, R. I.
Farmer, Susie B.	Danvers, Mass.
Fogg, Mildred A.	Old Orchard
Garcelon, Caroline E.	Auburn
Gaudreau, Armand T.	Lewiston
Gerry, H. Lester, A.M.	Cambridge, Mass.
Gilbert, Mabel	Atlantic City, N. J.
Gower, Mrs. Alice P.	Skowhegan
Greenlaw, Mary L.	Calais
Gregory, Edith D.	Calais
Grondin, Rose P.	Winchendon, Mass.
Hamilton, Mary J., A.B.	Rumford
Haskell, Ada L., A.B.	Presque Isle
Hill, James F., A.B.	Millinocket
Hill, Nellie F.	Saco
Houdlette, Mrs. Jessie C.	Dresden Mills
Howes, Grace M.	Union
Hutchinson, George R.	Portland

Irish, Rachel M.	Buckfield
Jackson, Frank W., A.B.	Claremont, N. H.
Jones, Beatrice L., A.B.	Bristol, Conn.
Jordan, Grace E.	Biddeford
Jordan, Margaret B., A.B.	Sanford
Judkins, Carol E., A.B.	Chelsea, Mass.
Lane, J. Maurice	Clinton
Lane, Mildred E.	Augusta
Lawton, Helen W.	Auburn
LeGacy, Albertis M.	Princeton
Leighton, Augusta C.	Harrington
Long, Sadie	Auburn
Lougee, Marguerite E., A.B.	Lewiston
Love, Chester T.	Milltown
Lucas, Warren S., A.B.	Exeter
Lyford, Olive M.	Lewiston
McCarthy, Ellene L., A.B.	Lewiston
Marr, Harriet W., A.B.	Springfield, Mass.
Meader, Alethea C., A.B.	Bristol, Conn.
Merriman, Adelaide	North Bridgton
Monk, Guy M.	Bridgton
Morrill, Florence M.	Sanford
Neal, Beatrice E., A.B.	New Britain, Conn.
Orcutt, J. Hollis	Rumford Point
Paul, Lila H., A.B.	Auburn
Peabody, Agnes L.	Lewiston
Perkins, Mildred A.	Lewiston
Plummer, Doris M.	Lisbon Falls
Prescott, Mrs. Maud E.	New Britain, Conn.
Prescott, Phillis G.	Portsmouth, N. H.
Pullen, Hester M.	North Anson
Purinton, Angie E., A.B.	Eastport
Purinton, Edwin M., A.B.	West Hartford, Conn.
Reed, Sara W., A.B.	East Orange, N. J.
Richardson, M. Edith	Lewiston
Roberts, Mary L., A.B.	Winchendon, Mass.
Rollins, Carroll J.	Winthrop
Ryle, Margaret M.	Lewiston
Somes, Mrs. N. Irene	Mt. Desert
Sprague, Helen G.	Woodland
Stephenson, Sarah F.	Mapleton
Stetson, Lilla A., A.B.	Portland
Stevens, Ada G.	Auburn
Thompson, Grace E.	Springfield, Mass.
Thompson, Lorine A.	South Portland
True, Frances H., A.B.	New Portland
Tuttle, Kathlene H., A.B.	Willimantic, Conn.
Varney, Charles E.	Gray
Varney, Evelyn M., A.B.	South Berwick
Webber, Mrs. Ella C.	Mapleton
Webber, Elmer H., B.Pd.	Mapleton

Wentworth, Susan M., A.B.	Cumberland Mills
Wickstrom, Mrs. Lois E.	South Bristol
Wiggin, Joseph A., A.B.	Newport, N. H.
Wiggin, Morton H., B.S.	Manchester, N. H.
Williams, Clara H., A.B.	Skowhegan
Wilson, Margaret L.	Auburn
Withington, Mrs. Elizabeth M.	Buckfield

GRADUATES OF 1920

BACHELORS OF ARTS

Arey, Evelyn Winifred
Barron, Julia Hopkins
Barrow, Ellis Dale
Blaisdell, Walter Halbert
Bowman, Irene Melita
Burns, Ralph Arthur
Crawford, Helen Winslow
Creelman, Fred Norman
Crockett, Hattie Belle
Edward, Vivian Beryl
Gadd, Edna Dorothy
Goddard, Harvey Burton
Goodall, Grace Mildred
Guptill, Philip Holmes
Hall, James Haviland Smith
Hamilton, Marjorie Louise
Hamilton, Mary Josephine
Hamlen, Charles Elmer
Irish, Burton Walter
Jackson, Vernice Ruth
Kennison, Paul Hartwell
Kirschbaum, Charles Hunt
*Lamson, George Carroll
Lamson, Josie Emerson
Lane, Eloise Frances
Logan, Gladys Lillian
Lucas, Arthur Fletcher
McCallister, Ruth
McKenzie, Ernest Alexander
May, Arlene Stevens
Mays, Benjamin Elijah
Moore, Priscilla
Murphy, Raymond Edward
Page, Agnes Fowler
Paris, Annabel Harriet
Peterson, Myrtle Annie
Philbrook, Lawrence Weymouth
Pierce, Elinor Shirley
Potts, Harry Leavitt
Rice, Albion Ramsdell
Ripley, Rachel Louise
Sanders, Marion Gertrude
Sargent, Ida Louise
Small, Wesley Alton
Soule, Mildred Arlene
Symmes, Eva Bernice
Tackaberry, Sara Christine
Taylor, Ida Alice
Thomas, Marjorie Etta
Tilton, Paul Josiah
Tracy, Leighton Goodwin
Tracy, Olin Berry
Trask, Ervin Elverton
Walton, Clarence Eldon
Weymouth, Ethel Marion
Williston, Elizabeth Reifsnyder
Wood, Howard Douglas
Woodman, Stanton Howe

*Degree to be conferred by the President when certain deficiencies are removed.

BACHELORS OF SCIENCE

Buker, Gerald Holden
Dean, John Josiah
Freedman, Louis Archie
Garrett, Ransome Joseph
Kendall, Raymond Leon
Keyes, Rudolph Howard
Larkum, Newton Wheeler
Mosher, James Earle
Stetson, Charles Benjamin
Voigtlander, Oscar

BACHELOR OF SACRED THEOLOGY

Will Soper Coleman

ADVANCED DEGREES

Masters of Arts, *pro merito*

John Wesley Coburn, Bowdoin, '19
John Archer David, '04
Charles Henry Higgins, '15

HONORARY DEGREES

Doctors of Laws

Calvin Coolidge, Governor of Massachusetts
Alfred Williams Anthony
Cecil Charles Jones, University of New Brunswick

Doctor of Letters

Margaret Wade Deland

Doctor of Divinity

James Stanley Durkee, '97

Doctor of Pedagogy

Lorenzo Edward Moulton, '93

COMMENCEMENT HONORS

IN LANGUAGE AND LITERATURE

Ruth McCallister
Marion Gertrude Sanders
Ida Louise Sargent
††Clarence Eldon Walton

IN PHILOSOPHY

Arthur Fletcher Lucas
Benjamin Elijah Mays
Agnes Fowler Page
Leighton Goodwin Tracy
Olin Berry Tracy
**Marjorie Etta Thomas

IN SCIENCE

**Harvey Burton Goddard
Arlene Stevens May
Myrtle Annie Peterson
Lawrence Weymouth Philbrook
Oscar Voigtlander
†**Ethel Marion Weymouth

**Additional honor in Language
†Additional honor in Philosophy
††Additional honor in Science

MEMBERSHIP IN DELTA SIGMA RHO

Robert Burnham Watts, 1922

MEMBERSHIP IN PHI BETA KAPPA

1920

Harvey Burton Goddard
Arthur Fletcher Lucas
Agnes Fowler Page
Marjorie Etta Thomas
Clarence Eldon Walton
Ethel Marion Weymouth

ALUMNI ASSOCIATIONS, 1920-1921

THE ALUMNI ASSOCIATION OF BATES COLLEGE

President, SCOTT WILSON, ESQ., '92, 76 Beacon St., Woodfords, Me.

First Vice-President, GEORGE H. SMITH, PH.D., '09, 512 George St., New Haven, Ct.

Second Vice-President, MISS EDITH M. RIDEOUT, '15, Box 213, Augusta, Me.

Third Vice-President, FRED S. WAKEFIELD, M.D., '95, 342 Main St., Lewiston.

Secretary-Treasurer, JOHN L. READE, ESQ., '83, 18 Wakefield St., Lewiston.

Executive Committee, MRS. GRACE PRATT JOHNSON, '06, 100 Nichols St., Lewiston; JOHN STURGIS, M.D., '93, 137 Court St., Auburn, Me.; RAYMOND S. OAKES, '09, 85 Exchange St., Portland, Me.; AFFIE D. WEYMOUTH, '98, 117 Nichols St., Lewiston.

Trustees of Alumni Loyalty Fund, MRS. ETHEL CUMMINGS PIERCE, '94, 24 Frye St., Lewiston; HAROLD A. ALLAN, '06, State House, Augusta, Me.; RAYMOND S. OAKES, '09, 85 Exchange St., Portland, Me.; HARRY W. ROWE, '12, Chase Hall, Lewiston, Me., Secretary-Treasurer; SCOTT WILSON, ESQ., '92, ex officio.

THE ALUMNI COUNCIL

General Association, *President*, SCOTT WILSON, '92; *Secretary*, J. L. READE, '83.

General Alumnæ Association, MRS. ELIZABETH BODGE WILSON, '91, Portland.

Portland Alumnæ, MISS ADELAIDE L. BRIGGS, '05.

Boston Alumnæ, MISS DORA E. ROBERTS, '95.

Providence Alumnæ, MRS. FRANCES MILLER RUSSELL, '03.

Worcester Alumnæ, MRS. MARY ANGELL LINCOLN, '90.

Connecticut Valley Alumnæ, ————

New York City Alumnæ, MISS MARION S. COAN, '99.

Washington Alumnæ, MRS. MARY BRACKETT ROBERTSON, '90.

Central Western Alumnae, MISS GRACE PATTEN CONANT, '93.

Far Western Alumnæ, MISS MARY H. PERKINS, '98.

Boston Alumni, J. E. PEAKES, '11.

Springfield Alumni, ——

New York Alumni, RALPH A. STURGES, '93.
Stanton Club, L. M. SANBORN, '92.
College Club, CHARLES O. CLASON, '11.
Cheney Club, ISAAC N. COX, '89.
Chicago Alumni, ——
Connecticut Valley Alumni, G. H. SMITH, '09.
Rhode Island Alumni, C. C. SPRATT, '93.
Minnesota Alumni, E. A. MERRILL, '86.
Aroostook Alumni, MISS BESSIE C. H. COOPER, '04.
Ocean Park Alumni, MISS DORA JORDAN, '90.
Worcester County Alumni, J. B. WADLEIGH, '09.
Portland Bates Club, F. H. PURINTON, '96.
Boston Bates Club, MILES GREENWOOD, '91.
Class Secretaries Association, CLAIR E. TURNER, '12.

Executive Committee, SCOTT WILSON, '92, Chairman; JOHN L. READE, '83, RALPH A. STURGES, '93, DORA JORDAN, '90, GEORGE H. SMITH, '09.

HARRY W. ROWE, '12, *Alumni Secretary*, Headquarters, Chase Hall, Lewiston, Maine.

GENERAL ALUMNÆ ASSOCIATION

President, MISS ELIZABETH W. GERRISH, '94, The Warren, Boston 19, Mass.

Vice-President, Lewiston, MISS MABEL V. WOOD, Lewiston, Me.

Vice-President, Auburn, MISS CATHERINA WOODBURY, '19, E. L. H. S., Auburn, Me.

Secretary, MRS. ALETHA ROLLINS HARMS, '13, 8 Abbott St., Lewiston, Me.

Treasurer, MRS. GLADYS S. CHILDS, '06, Horton St., Lewiston, Me.

Executive Committee, MRS. SADIE BRACKETT COSTELLO, '98, 45 Campus Ave., Lewiston, Me.; MRS. ETHEL CUMMINGS PIERCE, '94, 24 Frye St., Lewiston, Me.; MISS MARGUERITE LOUGEE, '13, 141 Nichols St., Lewiston, Me.

Social Committee, MRS. ELLA M. CHASE, '00, 20 Frye St., Lewiston, Me.; MISS ELIZABETH D. CHASE, '02, 20 Frye St., Lewiston, Me.; MISS JESSIE W. ALLEY, '12, 26 Highland Ave., Auburn, Me.

Auditor, MISS MABEL MARR, 205 College St., Lewiston, Me.

PRESIDENTS OF BRANCH ALUMNÆ CLUBS

Portland: Miss Lilla J. Stetson, '05, 194 Spring St., Portland, Me.

Boston: Miss Ellen H. Packard, '08, Perkins Institute, Watertown, Mass.

Providence: Mrs. Frances Miller Russell, '03, 97 University Ave., Providence, R. I.

Worcester: Mrs. Mary Angell Lincoln, '90, 22 Deane St., Worcester, Mass.

Connecticut Valley: Miss Angie S. Keene, 79 Plaza Ave., Waterbury, Ct.

New York City: Miss Caroline W. Chase, '07, 105 E. 22nd St., New York.

Washington: Mrs. Mary Brackett Robertson, '90, 6 West Melrose St., Chevy Chase, Md.

Central West: Miss Grace Patten Conant, '93, Decatur, Ill.

Far West: ——

THE COLLEGE CLUB

Secretary-Treasurer, William F. Garcelon, Esq., '90, 608 Sears Bldg., Boston, Mass.

Assistant Secretary-Treasurer, Richard B. Stanley, Esq., '97, 608 Sears Bldg., Boston, Mass.

THE STANTON CLUB

(The Bates Alumni Association of Maine)

President, Elwyn K. Jordan, '01, Alfred, Me.

Vice-President, Ernest V. Call, M.D., '00, 118 Pine St., Lewiston, Me.

Secretary-Treasurer, Harry W. Rowe, '12, Chase Hall, Lewiston, Me.

Executive Committee, Edwin W. Adams, '19, James H. Carroll, '11, Mrs. Mabel Holmes Maxim, '05, Frances P. Kidder, '10, Florence E. Osborne, '01, Helen C. Tracy, '19, Herbert S. Sleeper, M.D., '86.

CHENEY CLUB

(The New Hampshire Alumni Association)

President, CHARLES W. CUTTS, '88, Derry, N. H.

Vice-President, ——

Secretary-Treasurer, MISS MARY W. CROSS, '96, 10 Webster St., Franklin, N. H.

BATES COLLEGE ALUMNI ASSOCIATION OF BOSTON AND VICINITY

President, JOHN E. PEAKES, '11, 161 Devonshire St., Boston, Mass.

Vice-President, ROBERT L. COOMBS, '08, 297 Forest Ave., Brockton, Mass.

Secretary, MILES GREENWOOD, 84 Cottage St., Melrose, Mass.

Executive Committee, OFFICERS and RAY E. POMEROY, '10, 60 Grove St., Stoughton, Mass.; ELLEN H. PACKARD, '08, Perkins Institute, Watertown, Mass.

BATES CLUB OF BOSTON

President, DANIEL J. MAHONY, '06, 525 Blue Hill Ave., Boston, 21, Mass.

Vice-President, HERBERT J. CHASE, '91, 1 Tucker St., Milton, Mass.

Secretary, ROBERT L. COOMBS, '08, 297 Forest Ave., Brockton, Mass.

WORCESTER COUNTY ALUMNI CLUB

President, NELLIE S. NUTTING, '10, Crescent St., West Boylston, Mass.

Vice-President, W. ROSCOE FLETCHER, '95, 437 Massasoit Rd., Worcester, Mass.

Secretary-Treasurer, JOSEPH B. WADLEIGH, '09, 99 Greenhill Parkway, Worcester, Mass.

SPRINGFIELD ASSOCIATION

Executive Committee, MRS. MARY JOSEPHINE H. KING, '93, 1089 Worthington St., Springfield, Mass.; CHARLES R. CLASON, '11, 381 Main St., Springfield, Mass.; MILDRED I. JONES, '10, 254 Pearl St., Springfield, Mass.

RHODE ISLAND ASSOCIATION

President, LEROY G. STAPLES, '00, Warren, R. I.

First Vice-President, ALBERT H. MILLER, M.D., '94, Providence, R. I.

Second Vice-President, W. B. CUTTS, M.D., '91, 370 Broad St., Providence, R. I.

Secretary, ——

Treasurer, HORACE F. TURNER, '11, 258 Main St., Danielson, Conn.

CONNECTICUT VALLEY ASSOCIATION

President, C. J. ATWATER, '83, Box 84, Seymour, Conn.

First Vice-President, BEATRICE E. NEAL, '12, 314 Arch St., New Britain, Conn.

Second Vice-President, AMY L. WEEKS, '13, 24 Edgewood Ave., New Haven, Conn.

Third Vice-President, C. R. CLASON, Room 18, 381 Main St., Springfield, Mass.

Secretary-Treasurer, J. L. MEADER, '15, 190 Sigourney St., Hartford, Conn.

Executive Committee, LEON R. MCKUSICK, '11, Unionville, Conn.; DR. W. N. THOMPSON, '88, 190 Retreat Ave., Hartford, Conn.

NEW YORK ASSOCIATION

President, ALBERT F. GILMORE, '92, 52 Vanderbilt Ave., New York City.

Secretary, MISS CAROLINE W. CHASE, '07, Room 612, 105 E. 22nd St., New York City.

Treasurer, GEORGE W. THOMAS, ESQ., '96, 100 Broadway, New York City.

CHICAGO ASSOCIATION

Secretary-Treasurer, WINSLOW G. SMITH, '08, 431 South Dearborn St., Chicago.

NORTHWEST ALUMNI ASSOCIATION

President, EDWIN A. MERRILL, '86, 2854 Minnehaha Ave., Minneapolis, Minn.

Vice-President, Mrs. Lillian Leggett Bass, '02, 515 Sixth St., S. E., Minneapolis, Minn.

Secretary-Treasurer, Mrs. Mabel Keist White, '07, 3445 Humboldt Ave., Minneapolis, Minn.

BATES CLUB OF LEWISTON-AUBURN

President, James H. Carroll, Esq., 51 Lisbon St., Lewiston, Me.

Vice-President, Edgar L. Pennell, M.D., 268 Main St., Auburn, Me.

Secretary-Treasurer, Edwin W. Adams, '19, 22 Vernon St., Auburn, Me.

PORTLAND BATES CLUB

President, Scott Wilson, '92, 76 Beacon St., Portland, Me.

Secretary-Treasurer, Raymond S. Oakes, Esq., '09, 85 Exchange St., Portland.

AROOSTOOK COUNTY CLUB

President, Ralph L. Hunt, '03, Caribou, Me.

Vice-President, Burton W. Irish, '20, Mapleton, Me.

Secretary-Treasurer, Bessie C. H. Cooper, '04, Box 108, Presque Isle, Me.

KENNEBEC ASSOCIATION

President, Hon. Albert M. Spear, '75, Gardiner, Me.

Vice-President and Chairman of Executive Committee, Clarence P. Quimby, '10, 14 Sewall St., Augusta.

Secretary-Treasurer, Mrs. Lucy Small Clason, '01, 30 Lincoln Ave., Gardiner.

OCEAN PARK ASSOCIATION

President, Lyman G. Jordan, '70, Lewiston, Me.

Secretary-Treasurer, Mrs. Ellen S. Hall, '90, Old Orchard, Me.

Executive Committee, William E. C. Rich, '70, Ocean Park, Me.; Mrs. Ellen H. Packard, '08, Perkins Institute, Watertown, Mass.; Mrs. Gertrude Libbey Anthony, '01, Hartsdale, N. Y.

OXFORD COUNTY ASSOCIATION

President, GEORGE A. HUTCHINS, '99, Rumford, Me.

Secretary-Treasurer, SHIRLEY J. RAWSON, '14, Ridlonville, Me.

ALUMNI ATHLETIC ASSOCIATION

Secretary-Treasurer, O. B. CLASON, '77, Gardiner, Me.

DELTA SIGMA RHO CHAPTER

President, GORDON L. CAVE, '13, Berlin, N. H.

Vice-President, PROF. J. MURRAY CARROLL, '09, Lewiston, Me.

Secretary-Treasurer, HARRY W. ROWE, '12, Lewiston, Me.

Editor, ROBERT B. WATTS, '22, Bates College.

Executive Committee, THE OFFICERS, PROF. ALBERT C. BAIRD, Lewiston, Me.; CHARLES M. STARBIRD, '21, Bates College.

PHI BETA KAPPA—GAMMA OF MAINE

President, PROF. LYMAN G. JORDAN, '70, Lewiston, Me.

Vice-President, PROF. WILLIAM H. HARTSHORN, '86, Lewiston, Me.

Secretary-Treasurer, PROF. ARTHUR N. LEONARD, Brown '92, Lewiston, Me.

INDEX

	PAGE
Absence from Recitations	87
Admission Groups	30-31
Admission, Terms of	16-36
Advisers	88
Alumni Associations	145-148
Annuity Bond, Form of	114
Astronomy, Courses in	38
Athletic Associations	105
Athletic Field	102
Bacteriology, Courses in	66
Bates Alumnus	109
Bates Bulletin	109
Bates Student	109
Bequest, Form of	114
Biblical Literature and Religion, Courses in	38-39
Bills	91
Biology, Courses in	39-42
Botany, Courses in	40
Buildings	93-103
Cabinets, Botanical	95
Ornithological	96
Calendars	2-4
Carnegie Foundation	112
Carnegie Science Hall	94-96
Cercle Francaise	104
Chapel	93
Chase Hall	101
Chase House	100
Chemistry, Courses in	42-45
Laboratory	94
Cheney House	98
Christian Associations	106-108
College, Character of	6
Foundation	5
Needs of	113
Reasons for Aiding	112
Resources of	110
Services of	110
Magazine	109
College Publications	109
Commencement Honors	144
Committees, Corporation	10-11
Faculty	15-16
Coram Library	96-98
Corporation	8
Courses of Instruction	37-77
Debates, Intercollegiate	124
Prizes for	125
Sophomore	51
Degrees	84
Degrees, Requirements for	85-86
Delta Sigma Rho	105, 144, 148
Dormitories	
Chase House	100
Cheney House	98
Frye Street House	100
John Bertram Hall	99
Milliken House	106
Parker Hall	98
Rand Hall	100
Roger Williams Hall	99
Whittier House	100

	PAGE
Economics, Courses in	45-46
Editors of Bates Student	125
Education, Courses in	47-49
Employment Bureau	15
English, Courses in	49-52
Ethics, Courses in	71
Examinations	33, 36, 88
Excuses	87
Expenses	88-91
Faculty	11-13
Faculty, Committees of	14-15
Fellows, Board of	8
Fine Arts, Courses in	52
Forestry, Courses in	52-56
Foundation of College	5
French, Courses in	56-59
Frye Street House	100
Geology, Courses in	59
George Colby Chase Lecture Fund	109-110
German, Courses in	60-62
Government, Courses in	65-66
Graduates of 1920	142
Greek, Courses in	62-64
Group Arrangement of Studies	84
Gymnasiums	102
Halls, Chase	101
Hathorn	93
Parker	98
Roger Williams	99
John Bertram	99
Rand	100
Health of Students	88
Heating Plant	102
Hebrew, Courses in	39
Hedge Laboratory	94
History, Courses in	64-65
History of Religions, Courses in	38
Honors	86
Honors, Commencement	144
Household Economics, Courses in	66-67
Hygiene, Courses in	75-77
John Bertram Hall	99
Jordan Scientific Society	104
Laboratory Fees	89
Latin, Courses in	67-69
Lectures and Addresses	109-110
Libbey Forum	98
Library, Coram	96-97
Literary Societies	104
Macfarlane Club	105
Magazine, Bates Student	109
Majors and Minors	85
Mathematics, Courses in	69-70
Milliken House	100
Musical Clubs	105
Needs of the College	113
Outdoor Running Track	103
Outline of Studies	78-83
Overseers, Board of	9-10
Parker Hall	98
Phi Beta Kappa	106, 144, 148
Phil-Hellenic Club	104
Philosophy, Courses in	70-72
Physical Training, Courses in	75-77
Physics, Courses in	72-73
Physiology, Courses in	75-77
Politics Club	104
President's House	101
Prizes	123-124
Psychology, Courses in	71
Public Service of Bates	110
Public Speaking, Courses in	73-75

	PAGE
Ramsdell Scientific Society	105
Rand Hall	100
Rank Bills	88
Registration	85
Religions, Courses in History of	38
Religious Life	106
Requirements for Degrees	85-86
Resources	110
Roger Williams Hall	99
Running Track	103
Scholarships	115-122
Scientific Societies	104-105
Sociology, Courses in	46-47
Spanish, Courses in	75
Spofford Literary Club	104
Student Advisers	88
Students	126-137
Studies, Outline of	78-83
Summer Session	138-141
Tennis Courts	103
Trustees	8-10
Tuition	88-91
University Extension	110
Whittier House	100
Zoology, Courses in	41-42

Journal Printshop and Bindery
Lewiston, Maine

BATES COLLEGE

BULLETIN

Nineteenth Series Number 1 December 15, 1921

THE LIBRARY OF THE
FEB 8 1926
UNIVERSITY OF ILLINOIS

ANNUAL CATALOGUE

1921-1922

LEWISTON, MAINE

The Bulletin of Bates College is published by the College four times a year. Entered at the Post Office at Lewiston, Maine, as second class mail matter, under the provisions of the Act of July 16, 1894

Directions for Correspondence

All correspondence relating to the general interests of the College should be addressed to the President.

Requests for the annual catalogue and other publications, and for information concerning credits, should be addressed to the Registrar.

Correspondence concerning the admission of young men should be addressed to the President.

Correspondence concerning the admission of young women should be addressed to the Dean of Women.

Correspondence concerning tuition, rooms, and other expenses should be addressed to the Bursar.

Correspondence concerning alumni should be addressed to the Alumni Secretary.

SOUTHWORTH PRINTING COMPANY, PORTLAND, MAINE

Annual Catalogue
of
Bates College

1921 - 1922

Lewiston, Maine
1921

1921

JULY

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

AUGUST

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

SEPTEMBER

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..	..	..	..	..	..	..

OCTOBER

..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

NOVEMBER

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..	..	..	..	..	..	..

DECEMBER

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	21	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

1922

JANUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

FEBRUARY

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	..	..	..	..
..	..	..	..	..	..	..

MARCH

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

APRIL

..	..	..	..	..	..	..	1
2	3	4	5	6	7	8	
9	10	11	12	13	14	15	
16	17	18	19	20	21	22	
23	24	25	26	27	28	29	
30	..	..	..	..	..	..	

MAY

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

JUNE

..	..	..	..	..	1	2	3
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	..	
..	..	..	..	..	..	..	

JULY

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

AUGUST

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

SEPTEMBER

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

OCTOBER

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

NOVEMBER

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

DECEMBER

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

1923

JANUARY

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

FEBRUARY

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	..	..	..
..	..	..	..	..	..	..

MARCH

..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

APRIL

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

MAY

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

JUNE

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

Calendar

1921		
Sept. 20-21	Examinations for Admission to College	Tuesday and Wednesday, 8.00 A. M., 1.30 P. M.
Sept. 21	Registration of Freshmen,	Wednesday, 9.00 A. M.
Sept. 22	First Semester began 8.40 A. M. Prayers. Registration	Thursday
Nov. 1-11	Sophomore Preliminary Public Speaking	1.30 P. M.
Nov. 12	Prize Division	2.00 P. M.
Nov. 12-15	Tuition due	
	Thanksgiving Recess from 12 M., November 23 to 1.30 P. M., November 28.	
	Christmas Recess from 4.30 P. M., December 21, to 7.40 A. M., January 3, 1922.	
1922		
Jan. 26	Day of Prayer for Colleges	Thursday
Feb. 1-8	Midyear Examinations.	
Feb. 9	Second Semester begins:	7.40 A. M.
Feb. 22	Washington's Birthday	Wednesday
Feb. 21-Mar. 3	Freshman Preliminary Public Speaking	1.30 P. M.
Mar. 4	Prize Division	2.00 P. M.
Mar. 9	Senior Prize Speaking	Thursday, 7.45 P. M.
Mar. 12-15	Tuition due.	
	Easter Recess from 4.30 P. M., March 24, to 7.40 A. M., April 4.	
Apr. 21	Sophomore Debates	2.00 P. M.
May 30	Memorial Day	Tuesday
June 5	Examinations at Preparatory Schools.	
June 7	Junior Prize Speaking	Wednesday, 7.45 P. M.
June 8	Last Chapel	Thursday
June 8	Ivy Day Exercises	Thursday
June 9-16	Final Examinations.	
June 18	Baccalaureate Exercises	Sunday, 3.30 P. M.
June 19	Annual Meeting of Delta Sigma Rho	Monday, 2.30 P. M.
June 19	Annual Meeting of Phi Beta Kappa	Monday, 4.00 P. M.
	Annual Meeting of Alumni Council	Monday, 4.00 P. M.
June 19	Alumni Night	Monday, 8.00 P. M.
June 20	Annual Meeting of the Corporation	Tuesday, 9.00 A. M.
June 20	Alumni Carnival	Tuesday, 9.30 A. M.
June 20	Class Day Exercises	Tuesday, 2.30 P. M.

June 20	Illumination of College Campus	Tuesday, 7.45 P. M.
June 21	Commencement	Wednesday, 10.00 A. M.
June 21	The Commencement Dinner	Wednesday, 12.30 P. M.
June 21	President's Reception to the Graduates,	Wednesday, 8.00 P. M.
Sept. 18-20	Examinations for Admission to College	Monday, Tuesday and Wednesday, 8.00 A. M., 1.30 P. M.
Sept. 20	Registration of Freshmen	Wednesday, 9.00 A. M.
Sept. 21	First Semester begins: 8.40 A. M.	Thursday
Oct. 31-Nov. 10	Sophomore Preliminary Public Speaking	1.30 P. M.
Nov. 11	Prize Division	2.00 P. M.
Nov. 12-15	Tuition due.	
	Thanksgiving Recess from 12 M., November 22 to 1.30 P. M., November 27.	
Dec. 20	Christmas Recess begins.	

OFFICE HOURS

The President, Roger Williams Hall, 9.00 A. M.-10.00 A. M., daily; 2.30 P. M.-3.30 P. M., except Saturdays.

Dean of Men, Roger Williams Hall, 12.00 M.-12.30 P. M., Monday, Tuesday, Thursday, Friday. 3.00 P. M.-4.00 P. M., Tuesday, Thursday, Friday.

Dean of Women, Roger Williams Hall, 9.00 A. M.-11.00 M., daily; 1.30-2.30 P. M., Monday, Wednesday, Friday.

The Bursar, Roger Williams Hall, 9.00 A. M.-4.00 P. M.

The Registrar, Roger Williams Hall, 9.00 A. M. 12.00 M., daily; 1.30 P. M.-4.30 P. M., except Saturdays.

The Y. M. C. A. Secretary, Chase Hall, 9.00 A. M.-12.00 M., daily; 1.30 P. M.-4.30 P. M., except Saturdays.

Secretary to the President, Roger Williams Hall, 9.00 A. M.-12.00 M., daily; 1.30 P. M.-4.30 P. M., except Saturdays.

GENERAL INFORMATION

FOUNDATION

BATES COLLEGE grew out of the Maine State Seminary, chartered in 1855. In 1862 sixteen young men in this school petitioned the Trustees to provide facilities for collegiate instruction. In the fall of 1863 the first Freshman class was admitted, and in the winter of 1864 a new charter was secured, and Maine State Seminary became Bates College. The name Bates College was given by the Trustees in grateful acknowledgement of the generosity of Mr. Benjamin E. Bates of Boston, Mass., one of the founders of the city of Lewiston. Mr. Bates had taken a warm interest in the Seminary, and it was his encouragement, with a subscription in 1863 of $25,000, that led to its development into the College. To this sum he subsequently added $75,000. Mr. Bates died in 1877.

Lewiston, in which the College is situated, is the second city in population in Maine, having thirty-three thousand inhabitants. It is on the east bank of the Androscoggin, thirty-five miles northeast of Portland. It is connected by four bridges with Auburn, a city with sixteen thousand inhabitants, on the opposite bank of the river. The two cities are among the most enterprising and progressive in the East. Many of their public buildings are exceptionally beautiful and substantial. Their excellent public schools are constantly bringing to the two cities from all parts of Maine, and even from adjoining states, parents eager to secure a good education for their children. The Jordan High School of Lewiston, and the Edward Little High School of Auburn, rank among the best preparatory schools in New England. The pulpits of Lewiston and Auburn are occupied by able and scholarly men, and residents of few towns have better facilities for hearing the representative lecturers and orators of our country. The two cities are remarkably healthful, are situated amid some of the most beautiful scenery of the Androscoggin valley, and combine in a rare degree the educational influences afforded by the presence of business energy, of scholarly leisure, and of attractive environments. They

are a little more than four hours distant from Boston, and are accessible from all directions by means of four railways — the Grand Trunk, the Portland and Rumford Falls, and two lines of the Maine Central. These, with numerous electric roads, make the College easily accessible from every direction. The College grounds consist of sixty acres in the suburbs of Lewiston. They have great natural beauty and command fine views of the surrounding country. From the summit of Mount David, given by the late Mrs. Archibald Wakefield and the late Mrs. John M. Frye, as the site for an astronomical observatory, the White Mountains, more than fifty miles away, are distinctly visible. Through the generosity of Mrs. Wakefield, three and one-half acres were added in September, 1912, to this earlier gift and nearly all of Mount David is now owned by the College — giving to the campus a distinctive charm that arrests the attention of every visitor.

CHARACTER OF THE COLLEGE

The College is unsectarian in its organization, aims and methods, but it is unequivocably Christian. Breadth and thoroughness are sought, not only in literary and scientific attainments, but in moral and spiritual culture. What are called the vices of student life are practically unknown at Bates. No student can be a member of the College without taking and keeping a pledge to abstain from alcoholic drinks, and no student may receive beneficiary aid without abstaining from all use of tobacco. Hazing has always been regarded as indefensible and, through the united influence of students and faculty, has at length, it is believed, been entirely outgrown and discarded. A large percentage of the students are actively religious, and among them are represented nearly all the religious denominations of New England. It has been the constant aim of the College to encourage and aid students of limited means and to exclude such habits and customs as lead to extravagant and unnecessary expenditures. Planted in a thrifty and frugal community, Bates is for a wide area the natural college home of students of limited means. The community, with its numerous industries, offers unusual opportunities for work; and

college spirit and tradition make labor honorable. The Faculty of Bates find one of their highest pleasures in helping young men and women to solve the problem of ways and means. An employment Bureau composed of members of the Faculty is able practically to assure remunerative work to students able and willing to engage in self-help. Every year Bates students are engaged in more than sixty different kinds of employment. There are one hundred and eighteen scholarships. One hundred and eight of these, of $1,000 each, pay fifty dollars per year, each, to as many deserving young men and young women. The other four are the Coe Scholarship of $3,000, the Dana Estes Scholarship of $2,500, the John Bartlett Kezar Scholarship of $2,000, and the Fitz Scholarship of $1,500. Students preparing for the Christian ministry may receive aid from the Edgecomb Fund. Students of ample, of moderate, and of limited means live and work together in absolute social equality. From its organization in 1863, the College has received young women on the same terms with young men, thus beginning on the Atlantic sea-board the movement for the higher education of women.

The government of the College is vested in two co-ordinate boards: President and Fellows, and Overseers. Under the Charter of the College, the Board of Overseers must consist of five classes, each of them holding office for five years. Each class numbers five members, two of the five having been nominated from the Alumni. At the present time eleven of the fourteen Fellows and twenty of the twenty-five Overseers are Alumni. The living graduates of Bates number 2,158. The Bates Semi-Centennial was celebrated June 21-24, 1914.

CORPORATION

Board of President and Fellows

CLIFTON DAGGETT GRAY, A.M., PH.D., *President,* Lewiston
LINDLEY M. WEBB, A.B., ESQ., Portland
HON. CHARLES A. MILLIKEN, Augusta
JOSEPH A. CORAM, Boston, Mass.
HON. WILBUR H. JUDKINS, A.B., ESQ., Lewiston
REV. ASHMUN T. SALLEY, A.B., D.D., Lewiston
HON. ALBERT M. SPEAR, A.B., LL.D., Gardiner
WHITEFIELD N. THOMPSON, A.B., M.D., Hartford, Conn.
HON. OLIVER B. CLASON, A.B., Gardiner
WILLIAM F. GARCELON, A.B., ESQ., Boston, Mass.
HON. CARL E. MILLIKEN, A.B., LL.D., Augusta
ARTHUR S. LITTLEFIELD, A.M., LL.B., Rockland
HON. HENRY W. OAKES, A.B., A.M., Auburn
ALFRED WILLIAMS ANTHONY, A.M., D.D., LL.D., New York
HON. WILLIAM B. SKELTON, A.B., ESQ., Lewiston
GEORGE W. LANE, JR., *Secretary,* Lewiston

Board of Overseers

HON. SCOTT WILSON, A.B., LL.D., Esq., *President*, Portland
LOUIS B. COSTELLO, A.B., *Secretary*.

Term Expires in 1922

WILLIAM E. C. RICH, A.B., A.M., Ocean Park
REV. ALBERT W. JEFFERSON, D.D., Lawrence, Mass.
JOHN L. READE, A.B., Esq., Lewiston
WILLIAM B. KENDALL, Bowdoinham
WALTER U. GUTMANN, Lewiston

Term Expires in 1923

ALBERT F. GILMORE, A.B., New York, N. Y.
FRANK H. BRIGGS, A.B., Auburn
MRS. MARY BRACKETT ROBERTSON, A.B., Washington, D. C.
WILLIAM P. BRENEMAN, Auburn
OREN CHENEY BOOTHBY, A.B., Esq., Boston, Mass.

Term Expires in 1924

RICHARD B. STANLEY, A.B., Esq., Boston, Mass.
REV. THOMAS H. STACY, A.B., D.D., Center Sandwich, N. H.
WILLIS A. TRAFTON, Auburn
ERNEST F. CLASON, A.B., Lisbon Falls
HAROLD A. ALLAN, A.B., Augusta

Term Expires in 1925

REV. ARTHUR GIVEN, A.B., D.D., Clermont, Fla.
HERVEY S. COWELL, A.M., Pd.D., Ashburnham, Mass.
JAMES E. COBURN, Lewiston
ALTON C. WHEELER, A.B., South Paris
ELWIN K. JORDAN, A.B., Alfred

Term Expires in 1926

HON. CHARLES S. COOK, A.B., Portland

LOUIS B. COSTELLO, A.B., Lewiston
MRS. ELIZABETH BODGE WILSON, A.B., Portland
CLAIR E. TURNER, A.M., C.P.H., Cambridge, Mass.
HON. SCOTT WILSON, A.B., LL.D., Esq., Portland

Committees of the Boards

Executive — C. D. Gray, W. H. Judkins, W. A. Trafton, H. W. Oakes, L. B. Costello, W. B. Skelton, J. E. Coburn.

Finance and Oversight — H. W. Oakes, L. B. Costello, W. A. Trafton,

Committees for the Boards

Prudential — H. W. Rowe, George W. Lane, Jr., G. E. Ramsdell.

Visiting — Rev. Arba J. Marsh, A.B., D.D., Rev. D. N. Beach, A.B., D.D., W. E. Pulsifer, A.M., W. H. H. Bryant, A.M.

Vacancies in the Corps of Instruction — C. D. Gray, Mrs. Elizabeth M. Wilson, F. E. Pomeroy.

Examining — Hon. A. O. Thomas, Ph.D., *Superintendent of the Public Schools of Maine,* Rev. H. P. Woodin, A.B., D.D., W. L. Powers, A.B., Pd.D., A. C. Yeaton, A.B.

Library — W. H. Hartshorn, W. H. Judkins, Blanche W. Roberts.

College Commons — R. R. N. Gould, H. W. Rowe, K. S. Woodcock.

Chase Hall Administration — H. W. Oakes, L. B. Costello, F. E. Pomeroy, H. W. Rowe.

Auditors — Charles F. Goss, George J. Wallingford.

Treasurer — George W. Lane, Jr.

Bursar — Harry W. Rowe.

Officers and Instructors

CLIFTON DAGGETT GRAY, A.M., PH.D., *President,* 256 College Street

WILIAM HENRY HARTSHORN, A.M., LITT. D., *Professor of English Literature.* 336 College Street

HERBERT RONELLE PURINTON, A.M., D.D., *Fullonton Professor of Biblical Literature and Religion.* 36 Mountain Avenue

[Endowed in memory of the late Professor John Fullonton]

GROSVENOR MAY ROBINSON, A.M., *Professor of Public Speaking.* 22 Wakefield Street

ARTHUR NEWTON LEONARD, A.M., PH.D., *Professor of German.* 12 Abbott Street

FRED AUSTIN KNAPP, A.M., *Professor of Latin.* 32 Mountain Avenue

FRED ELMER POMEROY, A.M., *Dean of Men and Professor of Biology.* 342 College Street

HALBERT HAINS BRITAN, A.M., PH.D., Cobb Professor *of Philosophy.* 17 Mountain Avenue

[Endowed in memory of the late Hon. J. L. H. Cobb]

GEORGE MILLET CHASE, A.M., *Belcher Professor of Greek.* 20 Frye Street

[Endowed by Mrs. Sarah Belcher]

WILLIAM RISBY WHITEHORNE, A.M., PH.D., *Professor of Physics.* 55 Cottage Street

GEORGE EDWIN RAMSDELL, A.M., *Professor of Mathematics.* 40 Mountain Avenue

FRANK DEAN TUBBS, A.M., S.T.D., *Professor of Geology and Astronomy.* 129 Wood Street

R. R. N. GOULD, A.M., *Knowlton Professor of History and Government.* 35 Ware Street

[Endowed in memory of the late Rev. Ebenezer Knowlton]

Registrar-Treasurer of the Summer Session

ALBERT CRAIG BAIRD, A.M., B.D., *Professor of English and Argumentation.* 95 Nichols Street

JOHN MURRAY CARROLL, A.M., *Professor of Economics.* 71 Wellman Street

ROBERT A. F. McDONALD, A.M., PH.D., *Professor of Education; Director of the Summer Session.* 144 Nichols Street

LENA MABEL NILES, A.B., *Acting Dean and Director of Hygiene for Women.* Frye Street House

CARL HERRING SMITH, B.S., LL.B., *Director of Physical Education and Instructor in Physiology.* 148 Nichols Street

WALTER ALBERT LAWRANCE, A.M., PH.D., *Stanley Professor of Chemistry.* 28 Frye Street

[Endowed in memory of the late Professor Richard C. Stanley]

*SAMUEL FREDERICK HARMS, A.M., *Assistant Professor of German and Spanish.*

WILLIAM HAYES SAWYER, JR., A.M., *Assistant Professor of Biology.* 6 Frye Street

SYDNEY BARLOW BROWN, A.M., *Assistant Professor of French.* 85 Wood Street

BERNARD EMERSON LEETE, A.B., M.F., *Assistant Professor of Forestry.* 368 College Street

CHESTER ALBERT JENKINS, B.S., *Assistant Professor of Chemistry and Director of Track Athletics.* 373 College Street

*On leave of absence.

SARAH KELLEY NICKERSON, *Instructor in Household Economy.* Rand Hall

KARL STANLEY WOODCOCK, B.S., *Instructor in Physics.* 138 Nichols Street

JULIA SARGENT DAVIES, *Assistant Director of Hygiene for Women.* Milliken House

ANGELL MATHEWSON, A.B., *Instructor in Rhetoric.* 243 College Street

CHARLES FLOYD WHITCOMB, *Instructor in French and Spanish.* 88 College Street

HARRY WILLISON ROWE, A.B., *Bursar and Alumni Secretary.* 350 College Street

ARTHUR LEONARD PURINTON, A.B., *Instructor in Rhetoric and Secretary Young Men's Christian Association.* 36 Mountain Avenue

RAYMOND ALLEN WATKINS, B.S., *Assistant Director of Physical Education.* 28 Frye Street

BLANCHE WHITTUM ROBERTS, A.B., *Librarian.* 128 Wood Street

MABEL EATON, A.B., *Assistant in the Library.* 21 Oakland Street, Auburn

NOLA HOUDLETTE, A.B., *Registrar.* Whittier House

ELIZABETH DYER CHASE, A.B., *Secretary to the President.* Chase House

BELLE JOSEPHINE SHAFNER, *Matron.* Rand Hall

EDWIN LINCOLN GOSS, *Chorister.* 94 Nichols Street

HERBERT SUMNER SLEEPER, A.B., M.D., *College Physician.* 770 Main Street

RAYMOND E. RENDALL, *Manager, Bates Forest.* Alfred

Committees of the Faculty

Degrees — C. D. Gray, W. H. Hartshorn, H. R. Purinton.

Athletics — F. E. Pomeroy, G. E. Ramsdell, C. H. Smith.

Admissions — F. A. Knapp, G. E. Ramsdell, Lena M. Niles, Elizabeth D. Chase.

Registrations — G. M. Chase, J. M. Carroll, Nola Houdlette, W. H. Sawyer, W. A. Lawrance.

Curriculum — C. D. Gray, W. H. Hartshorn, A. N. Leonard, F. A. Knapp, R. R. N. Gould.

Publications — A. N. Leonard, H. H. Britan, A. C. Baird.

Student Organizations — F. D. Tubbs, R. R. N. Gould, S. B. Brown.

Student Employment — H. W. Rowe, A. L. Purinton, G. M. Robinson, Belle J. Shafner, C. H. Smith.

Appointments for Graduates — R. A. F. McDonald, H. H. Britan, Lena M. Niles.

Scholarships — C. D. Gray, F. A. Knapp, H. R. Purinton, Lena M. Niles, H. W. Rowe.

Student Loan Funds — C. D. Gray, G. M. Chase.

Social Functions — G. M. Robinson, A. L. Purinton, Lena M. Niles, Belle J. Shafner, Julia S. Davies, C. F. Whitcomb.

Music — H. H. Britan, G. M. Robinson, W. R. Whitehorne, S. B. Brown.

Alumni — H. W. Rowe, F. E. Pomeroy, W. H. Sawyer, Blanche W. Roberts, Lena M. Niles, K. S. Woodcock.

Religious Interests — H. R. Purinton, G. M. Chase, F. A. Knapp, H. W. Rowe, A. N. Leonard, W. A. Lawrance.

Debating — A. C. Baird, G. M. Chase, J. M. Carroll.

Publicity — A. C. Baird, R. A. F. McDonald, Nola Houdlette, B. E. Leete, A. Mathewson.

College Women — Lena M. Niles, F. A. Knapp, F. E. Pomeroy, H. H. Britan, Mrs. G. E. Ramsdell, Mrs. W. H. Hartshorn, Mrs. G. M. Chase.

Freshmen — F. E. Pomeroy, G. E. Ramsdell, R. A. F. McDonald, C. A. Jenkins, R. A. Watkins, A. L. Purinton, F. A. Knapp, A. C. Baird.

ADMISSION OF STUDENTS

General Statement

All candidates for admission to the College must offer satisfactory testimonials of good moral character; and those that have been members of other colleges must present certificates of honorable dismission.

Young men desiring information about the College or seeking admission, should address President Clifton D. Gray, Roger Williams Hall, Bates College, Lewiston; young women, Acting Dean Lena M. Niles, Roger Williams Hall, Bates College, Lewiston.

A young woman applying for admission must furnish a certificate of character and scholarship from her principal, a certificate of health equal to the demands of a college course from her physician, and a certificate of character and worth from her pastor. Application should be made not later than March 1 of the year for which admission is sought. If practicable, the list of successful candidates will be announced about May 1.

The requirements in particular subjects are as follows:

LATIN

The requirements in Latin are those recommended in the "Report of the Commission on College Entrance Requirements in Latin," and are as follows:

I. Amount and Range of the Reading Required.

1. The Latin reading required of candidates, without regard to the prescription of particular authors and works, shall be not less *in amount* than Cæsar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Æneid, I-VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters and De Senectute), and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Æneid), and Ovid (Metamorphoses, Fasti, and Tristia.)

II Subjects and Scope of the Examinations.

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, construction, and range

of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Æneid I, II, and either IV or VI at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, construction, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

Suggestions Concerning Preparation.

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word — and so, gradually, of the whole sentence — just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding

of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

On the basis of the above Report the examinations will be grouped as follows:

I. Two Years of Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of five exercises a week for two years. It will include translation from Cæsar's Gallic War, Book I, easy sight passages, and Grammar and Composition.

This examination is designed to meet the needs of such candidates for the degree of Bachelor of Science as offer only two years of Latin.

II. Elementary Latin.

The examination will be adapted to the proficiency of those that have studied Latin in a systematic course of five exercises a week for at least three years. It will include translation of prose at sight, Cicero, as indicated above in Section II, Article 2, and Grammar and Composition.

III. Advanced Latin.

The examination will be adapted to the proficiency of those that have studied in Latin in a systematic course of five exercises a week for at least four years. It will cover the work outlined in Section II of the Report.

GREEK

I. Elementary Greek.

Candidates presenting this subject should be able to translate at sight simple Attic prose, and should possess a thorough mastery of ordinary Greek inflections, principles of syntax, and idioms, involving the ability to write simple Attic prose. To attain the required proficiency, a student should have studied Greek for two years, in a systematic course of five exercises a week, including the reading of four books of Xenophon's Anabasis or an equivalent, thorough study of Grammar, and considerable practice in writing Greek sentences involving ordinary idioms and constructions.

II. Advanced Greek.

Candidates presenting this subject should be able to translate at sight passages from Homer, as well as from Attic prose, and should be well

grounded in the epic dialect, the prosody of Homer and the general features of Homeric life. They should also be able to translate into Attic prose simple English passages of connected narrative. These requirements involve, in addition to the course in Elementary Greek, a third year of study, with exercises five times a week, and necessitate the reading of additional Attic prose and of at least the first three books of the Iliad or an equivalent, and practice in the writing of connected passages of Attic prose.

Students admitted without Greek may begin the study of Greek in the Freshman year and go on to the regular courses in that language.

ENGLISH

The study of English in school has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

Grammar and Composition. The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary-school period. Written exercises may well comprise letter writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether written or oral.

Literature. The second object is sought by means of two lists of books, headed respectively *Reading* and *Study*, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and be encouraged to commit to memory some of the more notable passages in both verse and prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

A. Reading

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

For 1919-1922.

Group I. Classics in Translation. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books i-v and xv-xvii; the Iliad, with the omission, if desired, of Books xi, xiii, xiv, xv, xvii, xxi; Vergil's Æneid. The Odyssey, Iliad and Æneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

Group II. Shakespeare: Midsummer Night's Dream; Merchant of Venice; As You Like It; Twelfth Night; The Tempest; Romeo and Juliet; King John; Richard II; Richard III; Henry V; Coriolanus; Julius Cæsar;* Macbeth; Hamlet.*

Group III. Prose Fiction. Malory: Morte d'Arthur (about 100 pages); Bunyan: Pilgrim's Progress Part I; Swift: Gulliver's Travels (voyages to Lilliput and to Brobdignag); Defoe: Robinson Crusoe, Part I; Goldsmith: Vicar of Wakefield; Frances Burney: Evelina; Scott's Novels: any *one;* Jane Austen's Novels: any *one;* Dicken's Novels: any *one;* Thackeray's Novels: any *one;* George Eliot's Novels: any *one;* Mrs. Gaskell: Cranford; Kingsley: Westward Ho! or Hereward, the Wake; Reade: The Cloister and the Hearth; Blackmore: Lorna Doone; Hughes: Tom Brown's School Days; Stevenson: Treasure Island or Kidnapped or Master of Ballantrae; Cooper's Novels: any *one;* Poe: Selected Tales; Hawthorne: The House of the Seven Gables or Twice Told Tales or Mosses from an Old Manse; a collection of short stories by various standard writers.

Group IV. Essays, Biography, etc. Addison and Steele: The Sir Roger de Coverley Papers or Selections from the Tatler and Spectator (about 200 pages); Boswell: Selections from the Life of Johnson (about 200 pages); Franklin: Autobiography; Irving: Selections from the Sketch Book

*If not chosen for study under B.

(about 200 pages) or Life of Goldsmith; Southey: Life of Nelson; Lamb: Selections from the Essays of Elia (about 100 pages); Lockhart: Selections from the Life of Scott (about 200 pages); Thackeray: Lectures on Swift, Addison, and Steele in the English Humorists; Macaulay: Any *one* of the following essays: Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay; Trevelyan: Selections from the Life of Macaulay (about 200 pages); Ruskin: Sesame and Lilies or Selections (about 150 pages); Dana: Two Years Before the Mast; Lincoln: Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman: The Oregon Trail; Thoreau: Walden; Lowell: Selected Essays (about 150 pages); Holmes: The Autocrat of the Breakfast Table; Stevenson: An Inland Voyage and Travels with a Donkey; Huxley: Autobiography and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; A Collection of Essays by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; A Collection of Letters by various standard writers.

Group V. Poetry. Palgrave: Golden Treasury (First Series): Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave: Golden Treasury (First Series): Book IV, with special attention to Wordsworth, Keats and Shelley (if not chosen for study under B); Goldsmith: The Traveler and The Deserted Village; Pope: The Rape of the Lock; A Collection of English and Scottish Ballads, as for example, some Robin Hood Ballads, The Battle of Otterburn, King Estmere, Young Beicham, Bewick and Grahame, Sir Patrick Spens, and a selection from later ballads; Coleridge: The Ancient Mariner; Byron: Childe Harold, Canto III or IV, and The Prisoner of Chillon; Scott: The Lady of the Lake, or Marmion; Macaulay: The Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivry; Tennyson: The Princess, or Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning: Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus; Arnold: Sohrab and Rustum, and The Forsaken Merman; Selections from American Poetry, with special attention to Poe, Lowell, Longfellow, and Whittier.

B. Study

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

Group I. Drama. Shakespeare: Julius Cæsar, Macbeth, Hamlet.

Group II. Poetry. Milton: L'Allegro, Il Penseroso, and either Comus or Lycidas; Tennyson: The Coming of Arthur, The Holy Grail and The Passing of Arthur; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's Golden Treasury (First Series.)

Group III. Oratory. Burke: Speech on Conciliation with America; Macaulay's Speech on Copyright and Lincoln's Speech at Cooper Union; Washington's Farewell Address and Webster's First Bunker Hill Oration.

Group IV. Essays. Carlyle: Essay on Burns, with a selection from Burns' Poems; Macaulay: Life of Johnson; Emerson: Essay on Manners.

Examination. However satisfactory in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which will be on grammar and composition, and the other on literature.

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn chiefly from the books read.

An examination in literature will include:

A. General questions designed to test such a knowledge and appreciation of literature as may be gained by fulfilling the requirements defined under A. Reading above. The candidate will be required to submit a list of books read in preparation for the examination, certified by the principal of the school in which he was prepared; but this list will not be made the basis of detailed questions.

B. A test on the books prescribed for study, which will consist of questions upon their form, content, and structure, and upon the meaning of

such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning lives of the authors, their other works, and the periods of literary history to which they belong.

MATHEMATICS

I. Elementary Mathematics.

(1) Algebra. Through equations of the second degree.

Although candidates are not examined in Arithmetic, a thorough knowledge of its fundamental principles is an essential part of a preparatory course. This subject should not be neglected by candidates.

The required work in Algebra should ordinarily cover two years' work of five recitations per week, and includes the following subjects: Factors, fractions, ratio and proportion; negative quantities and interpretation of negative results; a thorough knowledge of radicals and the solution of equations involving radicals, fractional and negative exponents; the binomial theorem for positive integral exponents; extraction of roots; the solution of equations with one or more unknowns, whether of the first or second degree, and with literal as well as numerical coefficients, and of problems leading to such equations; arithmetical and geometrical progression.

It is recommended that the student familiarize himself with the solution of simultaneous equations of two or three unknowns, that he be able to solve quadratics at sight, either by factorization or by formula, and that he learn to draw the graphs of linear and quadratic equations of two unknowns.

(2) Plane Geometry. The required work in plane geometry should extend throughout one year of five recitations per week.

The theorems and constructions as found in good textbooks: The properties of plane rectilinear figures; the circle, and the measurement of angles; similar polygons; areas; required polygons and the measurement of the circle. A large part of the time should be given to original demonstrations of exercises, and this should be insisted upon as a part of the required work in the course.

II. Advanced Mathematics.

(1) Algebra, including choice, chance, theory of limits, the binomial theorem for negative and fractional exponents, logarithms, series, determinants, graphs, derivatives, and the theory of equations.

(2) Solid Geometry, as represented by the ordinary college text-books.

Candidates should be able to solve readily problems of solid mensuration and to demonstrate original theorems that may be deduced easily from the text.

(3) Plane Trigonometry as represented by the usual text-books. Candidates must be familiar with the theory and use of six-place logarithmic tables.

FRENCH

*The admission requirements in elementary and advanced French are those recommended by the Modern Language Association of America.

I. Elementary French.

The work to be done during the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, of pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

II. Advanced French.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dra-

*See page 28 for entrance requirements and for requirements in college.

matic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

GERMAN

*The admission requirements in elementary and advanced German are those recommended by the Modern Language Association of America.

I. Elementary German.

The first year's work should comprise: (1) careful drill upon pronunciation; (2) memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs, also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in reproducing natural forms of expression; (5) the reading of 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in reproducing from memory sentences previously read.

The second year's work should comprise: (1) the reading of 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in translating into German easy variations upon the matter read, also in the offhand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of grammar, directed to the end of enabling the pupil, first, to use his knowledge correctly in the technical lantences, and second, to state his knowledge correctly in the technical language, of grammar.

II. Advanced German.

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions

*See page 28 for entrance requirements and for requirements in college.

of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with especial reference to the infinitive and subjunctive), and likewise upon order and word formation.

SPANISH

The combined requirement in elementary and advanced Spanish is the same as that of the College Entrance Examination Board in Spanish.

I. Elementary Spanish.

The work of the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the conjugation of the more regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; (3) abundant easy exercises, designed to fix in the memory the forms and principles of grammar and to cultivate readiness in the use of natural forms of expression; (4) the reading and accurate rendering into good English of from 100 to 150 pages of graduated texts; (5) the translation into Spanish of easy variations of the sentences read; (6) writing Spanish from dictation.

The work of the second year should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into Spanish easy variations upon the texts read; (3) frequent abstracts of portions of the text already read; (4) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (5) mastery of the forms and use of pronouns, pronominal adjectives, and of all but the rare irregular verb forms; (6) writing Spanish from dictation.

II. Advanced Spanish.

The work should comprise the reading of from 400 to 600 pages of Spanish of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving Spanish paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

CHEMISTRY

The examination in this subject implies an acquaintance by recitation

*See page 30 for entrance requirements and for requirements in college.

and laboratory work with elementary processes and with the properties of common chemical substances; also a familiarity with the chemical notation in its arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations.

The requirements in this subject include the study of both metals and non-metals, and may be met by the use of any good elementary text-book and laboratory manual, and the presentation of a satisfactory laboratory certificate describing the work done.

PHYSICS

The student must present satisfactory evidence that he has completed a year's work in Physics based upon a standard text-book (Carhart and Chute's, Millikan and Gale's, and Gage's are recommended). The course must include at least one two-hour laboratory period per week. To receive credit in Physics a laboratory certificate describing the work done must be presented. At least forty experiments should be performed.

BIOLOGY

One year's work in Biology may be offered for one unit in the preparatory course. The year's work should be equivalent to at least one hundred one-hour exercises, consisting of at least one-half laboratory work. A laboratory certificate describing the work done must be presented. The course may consist of one year's work in Zoology, or one year's work in Botany, or one-half year's work in each.

It is desirable that considerable field work be done; that the animals and plants be studied in their natural environment. A large amount of data, obtained through accurate observation out-of-doors, forms the best foundation for the work to be accomplished in the laboratory and recitation room.

It is more important that a relatively small amount of laboratory work be carefully and thoroughly accomplished by proper laboratory methods, than that a large amount of ground be covered in a superficial and unscientific manner.

For a year's work in Zoology, the following texts — supplemented with such laboratory work as time and text would require — are approved: General Zoology, by Linville and Kelley; Zoology, Descriptive and Practical, by Colton; Introduction to Zoology, by Davenport.

For one-half year's course in Zoology: Animal Life, by Jordan and Kellogg; Animal Forms, by Jordan and Heath; Practical Zoology, by Davison.

For a year's course in Botany: Plants, by Coulter; Elements of Botany, by Bergen; Introduction to Botany, by Stevens.

For a one-half year's course in Botany: Such parts — selected by instructor — of one of the above texts, as can be properly handled in the time.

HISTORY

United States History and Civics.

The student should have a general knowledge of the colonization of the several states, the forms of government that existed previous to the War of Independence, the causes and principal events of that war, the Period of the Confederation and the establishment of the Federal Constitution with the general history subsequent to that event.

English History.

In this subject a general knowledge of the social and political development of England is expected of the student. This applies in particular to the centuries subsequent to the Norman conquest and to the movements that culminated in the creation of a British Empire and of a limited monarchy.

Ancient History, Greek and Roman.

The student should know the main facts respecting the political development of Greece and the Roman Republic and Empire, and should possess a general acquaintance with Greek and Roman life, literature and art.

DEGREES

Students are admitted to Bates College as candidates for the degree either of Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Forestry. The degree of Bachelor of Arts is regularly conferred upon those that have included among their courses Latin 1 and 2. In exceptional cases the degree may be conferred also upon students that have not taken Latin, but beginning Greek in college, have continued the study of the same through Courses 7 and 8. Students that pursue neither Latin nor Greek receive the degree of Bachelor of Science or Bachelor of Science in Forestry. Young women admitted to Bates must offer adequate preparation in Latin, and they are enrolled as candidates for the degree of Bachelor of Arts.

ADMISSION GROUPS

To show clearly the requirements for admission the following grouping of the preceding subjects is made. Candidates for admission to the Freshman Class must show adequate preparation in all the subjects of Group I and in enough of Group II to make a total of 14½ units. To count a unit a subject must be pursued for one school year of thirty-six weeks with five recitation periods per week.

A.B. Course — *Group I*

	Units
English, A and B (3 years)	3
*Latin	3
Modern Foreign Language (one language only)	2
Algebra	1½
Plane Geometry	1
†History	1
Total required	11½

B.S. Course — *Group I*

	Units
English, A and B (3 years)	3
Modern Foreign Language (one language only)	2
Algebra	1½
Plane Geometry	1
†History	1
Total required	8½

*Though three years of Latin will be accepted for admission to the course leading to the degree of Bachelor of Arts, the candidate is strongly urged to present four years. All that present three years only will be required to take two full years of Latin while in college in order to qualify for the above-mentioned degree. See page 61 for a statement about the required college courses in Latin.

†In presenting History for admission, the candidate has the option of presenting either one full year of one History or a half-year of each of two.

A.B. Course — *Group II*

	Units
Elementary Greek	2
Advanced Greek	1
Advanced Latin	1
Elementary French (if not offered in Group I)	2
Advanced French	1
Elementary German (if not offered in Group I)	2
Advanced German	1
Elementary Spanish (if not offered in Group I)	2
Advanced Spanish	1
Chemistry (including notebook)	1
Physics (including notebook)	1
Biology (including notebook)	1
†General Science	1
Advanced Algebra	½
Solid Geometry	½
Plane Trigonometry	½
‡Greek History and Roman History	½ or 1
American History and Civil Government	½ or 1
English History	½ or 1
†Bible Study	1
Total elective	3

B.S. Course — *Group II*

	Units
Two years of Latin	2
Elementary Latin	3
Advanced Latin	1
Elementary Greek	2
Advanced Greek	1
Elementary French (if not offered in Group I)	2
Advanced French	1
Elementary German (if not offered in Group I)	2
Advanced German	1
Elementary Spanish (if not offered in Group I)	2
Advanced Spanish	1
Chemistry (including notebook)	1
Physics (including notebook)	1
Biology (including notebook)	1
†General Science	1
Advanced Algebra	½
Solid Geometry	½
Plane Trigonometry	½
American History	½ or 1
‡Greek History and Roman History	½ or 1
English History	½ or 1
†Bible Study	1
*Free Hand Drawing	½
*Mechanical Drawing	½
Total elective	6

*Accepted only from schools fully equipped for work of this character.

†Accepted only upon evidence that it represents serious work and sound methods.

‡Whenever History is offered by the candidate, his Principal should state definitely whether the subject has been studied in a full year's, or a half year's course.

Candidates for the degree of Bachelor of Arts must present in addition to Group I a selection of subjects from Group II aggregating three units according to the valuation there indicated. (See paragraph, "A Free Margin of Electives").

Candidates for the degree of Bachelor of Science must present in addition to Group I a selection from Group II aggregating six units according to the valuation there indicated. Candidates for the degree of Bachelor of Science must complete before graduation from college not less than four years of work in not more than two modern foreign languages; of this amount two years' work must be presented for admission to college; a third year's work may be presented for admission, but at least one year's work must be done in college.

A FREE MARGIN OF ELECTIVES

In special cases, other secondary school subjects, aggregating not more than four units, will be accepted. Candidates for admission that wish to avail themselves of this privilege, must present from their Principals full statements both of the amount and of the quality of work done in such subjects. Only subjects that require serious intellectual efforts will be considered.

THE METHODS OF ADMISSION

All candidates for admission must present evidence of sound moral character, of an approved school course satisfactorily completed, and of sufficient maturity and ability to do college work.

THE TWO PLANS OF EXAMINATIONS

I The Old Plan of Examinations.

To secure admission under this plan, the examination of the candidate must show adequate preparation in the subjects prescribed on page 28, and in enough of the elective subjects listed on page 29 to be credited with a total of fourteen and one-half units.

Candidates that meet in full these requirements are admitted to regular standing. Candidates that fail to meet in full the requirements indicated above may be admitted under conditions which must be removed later by complying with certain regulations under the direction of the Committee on Registration. In admitting students with conditions, each case is settled on its merits. Ordinarily, however, a condition of more than two units is not granted.

II. The New Plan of Examinations.

To be admitted under this plan a candidate

(1) Must present evidence of an approved school course satisfactorily completed; and

(2) Must show in four examinations as explained below that his scholarship is of a satisfactory quality.

School Record

A candidate must present to the Committee on Admission evidence of his secondary school work in the form of an official detailed statement showing

(a) The subjects studied by him and the ground covered.

(b) The amount of time devoted to each.

(c) The quality of his work in each subject.

To be approved, this statement must show

(a) That the candidate's secondary school course has extended over four years.

(b) That his course has been concerned chiefly with languages, mathematics, and history.

(c) That the English and Latin of his school program, if he is a candidate for the A.B., have been pursued for not less than the equivalent of five periods per week for three years; the English for three years, and the French or German for two years, if he is a candidate for the B.S. The candidate for the A.B. is advised to offer four years of Latin if possible; and the candidate for the B.S. is advised to offer three years of French or German if possible.

The Examinations

If the official detailed statement presented by the candidate shows that he has satisfactorily completed an approved secondary school course, he may present himself for examinations in four subjects as follows:

For the A.B.

1. English
2. Latin
3. Mathematics (Algebra and Plane Geometry).
4. One of the following subjects:
   (a) Chemistry.
   (b) Physics.

For the B.S.

1. As for the A.B.
2. Either French or German.

3 and 4. As for the A.B.

(c) History: either
  (1) Greek and Roman, or
  (2) American, or
  (3) English.

These four examinations must be taken at one time, either in June or in September. Candidates who show by their school records and college examinations that they have the ability to take advantage of college work and college methods, will be admitted without conditions. If a candidate is not admitted, it will mean that his school record and college examinations do not show a scholarship adequate for college work.

ADMISSION BY CERTIFICATE

Graduates of schools approved by the New England College Entrance Certificate Board are admitted without examination when certificated by their principals. The colleges associated in this Board are Amherst, Bates, Boston University, Bowdoin, Brown University, Colby, Massachusetts Agricultural, Middlebury, Tufts, Wesleyan University, Williams.

Certificates are passed upon by the individual colleges above named. All schools in New England desiring the certificate privilege should apply to the Secretary of the Board, Professor Frank W. Nicolson, Wesleyan University, Middletown, Conn., before April 1st. Schools outside of New England desiring the certificate privilege should apply to the Registrar of Bates College, Roger Williams Hall, Lewiston, Maine.

Certificates should meet the requirements in full, but certificates covering eight units of the requirements will be accepted and the candidates will be examined on the remaining units. Candidates offering certificates for less than eight units of the requirements must be examined in full. Candidates that have taken preparatory work in more than one school must be certified by the principal of each of the schools in which they have taken work.

Blanks for certificates will be furnished by the Registrar of the College. School diplomas will not be accepted in place of certificates. Certificates that candidates have met the entrance requirements of another college will ordinarily be accepted, provided they cover the usual subjects or their equivalents, required for admission to Bates College.

ADMISSION BY CERTIFICATE OF EXAMINATIONS

Academic diplomas issued by the Regents of the University of the State of New York are accepted in all required subjects covered by them.

Certificates of the New York State Examination Board are accepted.
Certificates of the College Entrance Examination Board are accepted.

ADMISSION FROM OTHER COLLEGES

Students from other colleges seeking admission to Bates must present the following credentials: A letter of honorable dismissal, a statement of method of admission, an official statement in detail of studies taken by terms or semesters, with standing in the same, the exact number of terms of attendance, and a marked catalogue of the institution, showing each subject that has been completed.

DATES OF EXAMINATIONS FOR ADMISSION

The regular examinations for admission to Bates begin on Monday, September 18, at 1.30 o'clock P. M., in the History Room, Hathorn Hall. Arrangements may be made for taking examinations at the student's own school beginning on the first Monday in June. Principals, wishing thus to assume the responsibility of the examinations, should register their requests for examination papers, stating the subjects and the number of papers required in each, with the Chairman of the Committee on Entrance Examinations, Professor F. A. Knapp, 32 Mountain Ave., Lewiston, Maine, not later than May 25. Examinations will not be held at the College in June.

Schedules of Examinations

June Examinations

(In the Schools)

Time	*Monday*	*Tuesday*	*Wednesday*	*Thursday*
8.30-10.30	American History	English History	English	Physics
10.30-12.30	Greek and Roman History	French	Chemistry	German or Spanish
2.00-4.00	Latin	Algebra	Plane Geometry	Solid Geometry

Principals may give examinations in other subjects at their convenience on any of the days specified above.

September Examinations

(At the College)

Time	*Monday*	*Tuesday*	*Wednesday*
8.00-10.00		English	Latin
10.00-12.00		Plane Geometry	German, Spanish
1.30-3.30	Chemistry, Physics Solid Geometry	French	
3.30-5.30	Algebra	History	

Other subjects may be arranged for by consulting the examiner at the time of the History examination.

COURSES OF INSTRUCTION

Most of the work of the Freshman year is required. Some electives are introduced in the second semester of the Freshman year and are increased in number with each succeeding semester. The essentials of a liberal education are constantly kept in view and the attainment of knowledge is made tributary to the love of study, the habit of investigation, and the tastes and aptitudes of the scholar. The individuality of students is recognized and encouraged without the sacrifice of breadth and thoroughness. Class-room work is supplemented by original observation and research and by a systematic use of the College Library.

While in every department the cultural aim is held constant and controlling, the culture sought is of the kind that pays tribute to life. While not mistaking itself for a professional school or a technical school, the College seeks to make all its instruction practical. Each teacher remembers that forty-three out of every hundred of Bates graduates become educators, and strives to exemplify the best Pedagogy. A semester course of one hour a week is devoted to methods of teaching each secondary school subject in which advanced work is done in the College. In addition, the Professor of Education gives carefully planned courses that, while thoroughly cultural, are designed to enable graduates of the College that have satisfactorily completed them to qualify for a teacher's certificate of the first class from State Boards of Education. In like manner, the courses in Elocution and in English, especially the courses in Argumentation, prove of great value to graduates who engage in public speaking and, in particular, to those who practice Law; while the course in Rhetoric and the practical training in Composition afford an admirable preparation for Journalism. So, also, the courses in Biblical Literature and Religion, while having a choice cultural value, are a substantial aid to students contemplating the Christian Ministry. The thorough courses in Chemistry meet the requirements of the best Medical Schools, and those in Biology receive equal recognition. The work in Mechanics, in Electricity and Magnetism, and in the Elements of Electrical Engineering, assures to the general student of these subjects an intelligent acquaintance with the great natural forces of the industrial world and enables the prospective engineer to gain, at comparatively slight cost, advanced standing in such a school of applied science as the Massachusetts Institute of Technology.

Students wishing to enter Medical Schools after completing two years' work in Bates College must present the complete admission requirements

as in the case of students matriculating for the A.B. or B.S. degree. The purpose of such students to pursue a medical course after completing the necessary college work must be attested by a written statement from their parents or their guardians. A change to regular standing may be made only by special vote of the faculty. Such students are required to take work in English, Biology, Chemistry, Physics, French or German, and may elect one course in some other language.

I. ASTRONOMY

1, 2. General Astronomy. A descriptive and reasoned course concerning the heavenly bodies: their motions, real and apparent; their dimensions and masses; their nature and physical condition; their influences upon one another; and their services to man.

Three hours. Through the year. Elective for Juniors and Seniors.

II. BIBLICAL LITERATURE AND RELIGION

1. Old Testament. A study of the growth of the Hebrew Commonwealth from Moses to the time of Jesus. Special attention is given to the great leaders and their moral and religious ideals.

Three hours. First semester. Elective for Freshmen only.

2. New Testament. A study of the Life of Christ.

Three hours. Second semester. Elective for Freshmen only.

3, 4. Introduction to the Bible as Literature. A study of the Bible as a library of sacred books. The biblical documents will be arranged in chronological order in a book which each student will make for himself. The message of the successive books will be considered in the light of their historical origin and literary form. Special attention will be given to the Prophets and Psalms in the Old Testament, and to the synoptic gospels and the letters of Paul in the New Testament.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

5, 6. Comparative Religion and Missions. Historical and comparative study of the great religious systems of the world; points in which Christianity is superior to other religions; the missionary activities of the nineteenth century which made the influence of Christianity decisive over the whole world; illustrations of the social influence of Christianity in non-Christian lands.

Three hours. Through the year. Elective for Juniors and Seniors.

7, 8. Religious Education. An advanced course for students who have completed at least one year in this department and one year in Psychology. It is intended to help men and women who are preparing to be directors of religious education, ministers, missionaries, secretaries in the Y. M. C. A. and Y. W. C. A., and other lines of special Christian service. The instructor will be assisted by Alice Louise Brown, General Secretary of the Lewiston Y. W. C. A., and other lecturers.

Two hours a week of lectures and at least two hours of community service. Elective for Juniors and Seniors.

9, 10. New Testament Greek. Two courses offered by Professor Chase for students preparing for the Christian ministry. See Greek 9, 10.

11, 12. Hebrew Language.

Three hours. Through the year. Elective for Juniors and Seniors.

III. BIOLOGY

General Biology

1. General Biology. This course deals with the general principles of the subject — life, growth, reproduction, irritability, elementary embryology, fundamental structural characteristics of both plants and animals, and with such topics as immunity and heredity. Instruction is given by means of recitations and laboratory work. Field work constitutes an important part of the course. Trips are taken into the surrounding country for the purpose of collecting and studying both plants and animals in their natural environment.

The aim of this course is to deal extensively with fundamentals; emphasizing the cultural aspects of the subject and the importance of accurate observation.

Two one-hour periods and one two-hour period. Second semester. Elective. This course should be taken by any one who plans to do further work in this department.

BOTANY

1. Morphology, Ecology and General Classification of the Plant Kingdom. The work of the course comprises recitations, lectures and laboratory exercises. A study is made of the principles upon which modern classification is based. Type specimens representing the various groups and sub-divisions of the vegetable kingdom are studied with respect to their distinctive characteristics, structure, etc., together with a considera-

tion of the inter-relations of the groups. In the laboratory the student studies and sketches most of the specimens taken up in recitations.

The purpose of this course is twofold: (1) to give the student a knowledge of the structure and functions of representative types of the plant kingdom, and how these types are related to one another from an evolutionary viewpoint; (2) to continue the training in methods of precision and accuracy in observation so essential to all scientific work.

Two one-hour periods and one two-hour period. First semester. Elective. Biology 1 prerequisite.

2. Morphology, Physiology and Ecology of Flowering Plants. The method of instruction in this course is: (1) recitations upon the above subjects, as they are developed by a study of the text-book, by lectures and in laboratory work; (2) laboratory exercises, in which a careful study is made of the morphology of the various parts of the plant body. The seeds, roots, stems, leaves, flowers and fruits are taken up in succession. The structure and relation of these parts to the life processes of the plant are recorded in the laboratory note-book, by means of drawings and descriptive notes. Sufficient time is given to flower analysis, so that each student has such practice as will make him familiar with the method of work. Considerable attention is given to field work.

The aim of this course is to give the student a general yet comprehensive knowledge of the life-processes and structure of the flowering plants.

Two one-hour periods and one two-hour period. Second semester. Elective. Biology 1 prerequisite.

3, 4. Forest Botany. For description see Forestry 3, 4.

5. Wood Technology. For description see Forestry 17.

ZOOLOGY

1, 2. General Principles of Zoology, and Morphology, Ecology and General Classification of Invertebrate Animals. Instruction is given by recitations and laboratory work. These courses aim to teach, first, the general principles of the subject, its history and subdivisions, the structure, development and functions of cells, tissues and organs, general embryology, etc.; second, the outlining of the principal groups of the animal kingdom, studying their ecology and morphology. The laboratory work is confined to representatives of the chief groups of invertebrates. Typical forms are studied microscopically or dissected, and careful drawings with descriptive notes must accompany the laboratory work.

Two one-hour recitation periods and one two-hour laboratory period. First semester. One one-hour recitation period and two two-hour laboratory periods. Second semester. Elective. Biology 1 prerequisite.

3, 4. Comparative Anatomy of Vertebrates. Instruction in this course is given chiefly by laboratory exercises and lectures. Type representatives of the different classes of Vertebrata are very thoroughly dissected and studied in a comparative way, from the lower forms to the higher. All observations and records are kept by means of drawings and notes. The course is intended especially for those who are particularly interested in biological science, or in the study of anatomy and medicine.

Three two-hour periods. Through the year. Elective. Biology 1, Zoology 1 and 2 prerequisites.

5, 6. Microscopic Technique, Histology, and Embryology. In these courses instruction is given by lectures, recitations and laboratory work. A study is made of the parts and use of the compound microscope, together with laboratory work upon the more essential methods of investigation. This involves practical work upon an invertebrate animal and the different tissues of vertebrates. The student experiments with the important methods of fixing, hardening, staining, dehydrating, clearing, imbedding, sectioning, and mounting objects for microscopic study.

Further, the student is introduced to the general subject of animal histology, by a careful study of the above preparations.

Three two-hour periods. Through the year. Elective. Biology 1, Zoology 1, 2, 3, and 4 prerequisites.

7. Genetics. The work in genetics is divided into two distinct courses:

7a. Heredity. In this course an attempt is made to summarize the general field of heredity by means of recitations, lectures, and discussions on library work. Believing that the subject of heredity is of great interest to, and should concern, everybody, an endeavor is made to take up the introductory work of this course in such a manner as to make it possible for the student without previous biological training to do the work.

Two hours. First semester. Elective for Seniors.

7b. Experimental Breeding. A laboratory course in which each student carries on several series of breeding experiments with some form that reproduces rapidly; drosophilia, mice, guinea pigs, and rabbits, are now being used.

One two-hour period. First semester. Elective. Zoology 1, 2, 3, and 4 prerequisites.

IV. CHEMISTRY

The courses outlined here are planned to meet the requirements of those who desire to specialize in Chemistry for the Teaching or Industrial professions. The needs of other students are also provided for, viz., those who major in some other branch of science where a knowledge of Chemistry is desirable or those who elect chemistry as a part of a liberal education.

1. Course 1-2 is open to all students but the schedule is arranged to suit Freshmen only.

2. To obtain a Minor in Chemistry one must successfully complete Courses 3-4 (note prerequisite), and 7-8.

3. All students who major in Chemistry must take Course 15.

A Seminar in Chemistry is held twice a month from November to March in the Hedge Laboratory lecture room. The meetings are open to all students (except Freshmen) who are registered in the Department of Chemistry. Subjects of interest to students of Chemistry are dealt with and the members are encouraged to present papers and to take part in the discussions.

1-2. Inorganic Chemistry. Recitations and laboratory work. A course in the fundamentals of Chemistry. Special emphasis is laid upon the dissociation theory and its application to all reactions. The non-metallic elements and their compounds are first studied in detail. This is followed by a thorough survey of the metals and metallic compounds.

Four hours. Through the year.

3-4. Qualitative Chemistry. Chiefly laboratory work with recitations and lectures. The course is intended to emphasize the principles involved in Chemical analysis to broaden the student's knowledge of inorganic chemistry and to develop his deductive reasoning. After preliminary experiments the student will be required to analyze "unknown" substances for the basic and acidic constituents. Alloys, minerals, etc., are also dealt with in a qualitative manner.

Six hours. Through the year. Course 1-2 prerequisite or equivalent.

5-6. Quantitative Chemistry. Chiefly laboratory work, with lectures and conferences. This course is divided into two parts. One semester is devoted to Volumetric analysis and the other to Gravimetric analysis. Volumetric determinations include the use of standard acid and alkali and such oxidising agents as potassium permanganate, potassium bichromate and iodine, as well as the process of chlorimetry. Gravimetric determinations include barium, calcium, magnesium, iron, chlorine and sulphur.

Great stress is laid upon accuracy, cleanliness and integrity.

Six hours. Through the year. Course 3-4 prerequisite.

7-8. Organic Chemistry. Lectures, conferences and laboratory work. A systematic course of study of the Carbon compounds covering the Methane, homocyclic and heterocyclic series. Representative compounds are synthesised in the laboratory and their properties and reactions carefully investigated. Emphasis is placed upon accuracy of observation and ability to record results.

Six hours. Through the year. Course 3-4 prerequisite.

9-10. Industrial Chemistry. This course deals with the more important industrial chemical processes by lectures, conferences and collateral reading. The laboratory work includes analyses of various technical products, small scale preparations, figuring of costs, etc. Periodical visits are made to factories where chemical operations are carried out.

Six hours per week, through the year. (Courses 5-6 and 7-8 prerequisite).

Through the courtesy of National Manufacturers, this Department possesses a collection of exhibits of typical and representative chemical products as well as diagrams, and descriptive literature concerning these products and the machinery used in their manufacture.

11. Elementary Physical Chemistry. Lectures, recitations and laboratory work. This course presents the fundamental principles of Physical Chemistry and its relation to the other branches of chemical science. The laboratory work comprises of the determination of the more important physical constants, atomic and molecular weights, also a study of thermochemistry.

Six hours per week, first semester. (Course 5-6 prerequisite or parallel).

12. Biological Chemistry. Lectures and laboratory work. The chemistry of carbohydrates, fats, proteins. Their origin, synthesis and structures, also their functions and ultimate fate in the processes of normal and abnormal metabolism are studied. In the laboratory the student must complete, among other things, an urine analysis, a study of enzymic action and prepare two amino acids.

Five hours per week, second semester. (Course 7-8 prerequisite).

13-14. Advanced Organic Chemistry. Lectures and laboratory work. The lectures deal with the reactions, structure and synthesis of organic and organometallic compounds. Preliminary laboratory work on typical reactions and synthesis. Each student is required to conduct a systematic investigation of a suitable problem in order to encourage independent

thought and originality. To this end, the student is introduced to current scientific literature and, whenever possible, urged to become a member of a chemical society.

Through the year. (Courses 7-8 prerequisite. Elective, Seniors only).

15. Historical Chemistry. A lecture course supplemented by selected readings. Special attention is given to the origin and growth of the atomic theory, and also to the development of organic and physical chemistry.

Twenty lectures, second semester.

V. ECONOMICS AND SOCIOLOGY

Economics

1. The Economic Environment. A course designed to acquaint the student with the economic phases of modern social life. The historical background of our economic system will be sketched in broad outline. Chief attention will be given to the study of the outstanding features of the present economic system.

Three hours. First semester.

Course 1 is open to all students. Courses 2 and 3 constitute a unit, and course 2 will not be counted for credit until 3 is completed. Other courses in economics are open to students that have completed courses 2 and 3.

2. Principles of Economics. A systematic treatment of the cardinal principles of Economics. Theories of value and of distribution constitute the main subjects of study. This course emphasizes fundamental principles, but directs attention always to their bearing on current problems.

First semester. Three hours. Elective for Sophomores.

3. Current Economic Problems. A comprehensive treatment of selected economic problems, such as population, money, credit and banking, trusts, railroads, the tariff, socialism, and the relation of the government to business.

Three hours. Second semester.

4. Business Finance. A study of money, banking, credit, and commercial crises, with special attention to their relation to business operations; also of the organization and financing of industrial corporations and of foreign trade, and of the functions of the stock exchange.

Three hours. First semester.

[5. Labor Problems. A study of the wage system; the relations of

employer and employee; labor organizations, their policies and methods; agencies of industrial peace; profit-sharing. and labor co-partnership; unemployment, etc.

Three hours. Second semester. Not offered in 1921-1922.]

6. Public Finance. This course covers the entire field of government finance, but lays chief emphasis on the subject of taxation. Attention will be given to: public expenditures; revenues; legislation and administration, and public credit.

Three hours. Second semester.

[7. Business Organization and Control. This course aims to give the student a clear understanding of the general features of modern business, the forms of organization, and business administration. The problems of the government's relation to business will be carefully considered.

Three hours. First semester. Not offered in 1921-1922.]

Sociology

1. Principles of Sociology. This course will include a study of (1) the origin and development of society; (2) existing society, the nature of association, the forces and laws which make a social action possible, and social psychology; (3) the theories of progress considered with the view of working out definite principles to guide society in securing a higher degree of human well being.

Three hours. First semester. Elective for Juniors and Seniors.

2. Applied Sociology. A discussion of certain social problems of modern life, with reference, on the one hand, to biologic and economic causes and, on the other hand, to policies and agencies directed toward the improvement of existing conditions.

Three hours. Second semester. Elective for Juniors and Seniors.

3. Community Sociology. A study of modern community life, urban and rural, with the purpose of seeing the means and methods employed to secure a wholesome social life, to note defects and possible means of improving the existing organization.

Three hours. Second semester. Elective for Juniors and Seniors.

VI. EDUCATION

The purpose of the following courses in Education is two-fold: first, to acquaint the student with the general nature, function, and importance of education as one of the means employed by society for its own develop-

ment; second, to give the student a clear conception of the educative process psychologically considered, and to help him develop from such knowledge the principles of school administration and class-room method. Inasmuch as the courses are designed to meet the requirements of the various States for the work in this department, Philosophy 1 is a prerequisite or parallel to Education 1, 2, and 3.

1. History of Education. In this course attention is given to the development of educational thought and practice, as these were determined by social, political, economic, and religious conditions in various nations and periods. The essential features of the past are stressed as a basis for an intelligent knowledge of present-day theory and practice.

Three hours. First semester. Elective for Juniors.

[2. Principles and Problems of Secondary Education. This course deals with the meaning and scope of secondary education; a comparison of the aims, organization, administration, and curricula of American and typical European secondary school systems.

Offered at Summer Session of 1922.]

3. Educational Psychology. This course is designed to present the facts so far as they have been scientifically determined, concerning the nature and development of the mind during childhood and youth, with special reference to the meaning of these facts to the teacher. It seeks to provide the student with sound criteria for estimating theories about the mental life, and it serves to introduce him to the present state of knowledge regarding man's innate tendencies, attention, perception, memory, imitation, curiosity, the learning process, practice and fatigue, characteristics of adolescence, individual differences, psychological tests, etc.

Three hours. First semester. Elective for Seniors.

4. Educational Sociology. An introductory course in the study of the sociological foundations of education. The various factors in the educational situation are analyzed and related, both for their cultural value in giving insight into the school as an institution and for their practical worth in formulating fundamental principles. The following are among the topics considered: the social basis of the school, the individual and the social group, the growth of democracy and its relation to education, social factors in school administration, the social origin and function of the curriculum, the essentials of the socialized school.

Three hours. Second semester. Elective for Juniors and Seniors. Education 1 or 3 prerequisite.

5. Educational Administration. A course designed especially for

students desiring to fit themselves for work as superintendents or supervisors. Such topics as the following are discussed: the relation of the national government to education; forms of educational control; the school board and its functions; business administration; the grading of pupils, promotions, examinations, records, etc.; the supervision of instruction; the training of teachers in service.

Two hours. Second semester. Elective for Seniors. Education 4 and 6 prerequisite or parallel.

6. High School Management and Methods of Teaching. Discussion of fundamental principles of class-room control and teaching technique common to all subjects in secondary curricula, including drill, reflective thinking, questioning, use of books, laboratory methods, directed study, and measuring results.

An essential part of the course consists in the systematic observation of school management and class instruction in the high schools of Lewiston, Auburn, and neighboring towns. Written reports of these visits and observations are required periodically from each student in the course.

Three hours. Second semester. Elective for Seniors. Education 1 and 3 prerequisite.

6a. Educational Practice. A laboratory course designed to bring students (prospective teachers) into direct relations with practical class-room activities in the high schools of Lewiston and Auburn on the basis of observation, partial participation and practice teaching, graded in complexity and extending through thirty lessons.

One hour. Second semester; two divisions, each for a period of six weeks. Elective for qualified Seniors who are candidates for the State Professional Secondary School Teacher's Certificate.

Professional Teacher's Certificate

In order to qualify fully for secondary school teaching in the State of Maine, candidates are required to complete approved professional courses. In this connection the following combination of courses offered at Bates College has been approved by the Education Department of the State of Maine: Philosophy 1 (see p. 64), Education 1, 2 (or 4), 3 and 6. The completion of this work, with not less than a grade of C, will entitle the graduate to the State Professional Secondary School Teacher's Certificate without further examination.

VII. ENGLISH

1. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of paragraphing and exposition.

Three hours. First semester. Required of Freshmen.

2. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of description and narration.

Three hours. Second semester. Required of Freshmen.

When a student completes courses 1 and 2, he receives a provisional pass mark. If at any time later in his college course he is found to be deficient in his English, he is required to do additional work until such deficiencies are corrected.

3. Argumentation. A systematic study of the principles and practice of argumentation. Attention to the analysis of propositions, evidence, construction of the brief and the argument, the rebuttal, and the delivery of the argument. Class debates and weekly themes.

Three hours. First semester. Required of Sophomores.

4a. Literature and Composition. The study and writing of fiction. The history and technique of the English and American short-story. Lectures, reports, assigned readings, and themes.

Three hours. Second semester. Elective for qualified Sophomores.

4b. Literature and Composition. The study and practice of expository and argumentative discourse. This course is intended to supplement English 1 and 2.

Three hours. Second semester. Prerequisites, English 1 and 2.

5. Advanced Argumentation. A review of the theory of argumentation. Inductive and deductive argument, fallacies, refutation. A systematic discussion of current economic, social and political problems. Two periods each week given to debates.

Three hours. Second semester. Elective for Sophomores. Prerequisite, English 3.

6. Contemporary Drama. The technique of recent plays. Consideration of Ibsen, Shaw, Synge, Dunsany, Barrie, and others. The writing of short plays and criticisms.

Three hours. First semester. Elective for a limited number of Juniors and Seniors.

7a. History of English Literature to the end of the Elizabethan Age.

7b. The Drama. Lectures on the origin and development of the drama and its history from Aeschylus to Shakespeare. Critical study of selected plays of Shakespeare, with required reading of other works of the Elizabethan Age.

Four hours. First semester. Required of Juniors.

8. Literature of the Seventeenth and Eighteenth Centuries. Critical study of selected works of prose and poetry, with lectures on the literary history and biography of the period. Required reading of other works, with research in the Library, reports, abstracts, and discussion in class.

Four hours. Second semester. Elective for Juniors.

9. Lectures on Literary Criticism, with special reference to fiction. Reading of selected works of the Nineteenth Century. Investigation of topics in literary history and criticism. Current literature.

Four hours. First semester. Elective for Seniors.

10. English Literature of the Nineteenth Century. Special study of Tennyson and Browning.

Four hours. Second semester. Elective for Seniors.

11. Teacher's Course. Designed for those who expect to teach English in secondary schools.

Extra, one hour. Second semester.

SOPHOMORE PRIZE DEBATES

A Champion Prize Debate is held for the men of the Sophomore class, and another for the women. Each team is composed of two speakers.

Second semester.

Sophomore Prize Essay

All Sophomores not participating in the Champion Prize Debates present essays on a prescribed subject, in competition for a prize.

Second semester.

Required Composition Work of Junior and Senior Years.

This work, in continuation of that done in courses 1 to 4, is required of all members of the Junior and Senior classes, whether they elect English or not. An essay is presented in each semester, as follows:

12*f*. Original Declamations on Assigned Subjects. Each member

of the Class reads his declamation before a committee, by whom the best twelve are selected for delivery in a prize contest on the evening before Ivy Day.

Junior year, second semester.

13*f*. Original Parts for the Senior Prize Speaking. Each student reads his part before a committee, who choose twelve to speak in the Prize Contest.

Senior year, second semester.

14*f*. Commencement Parts. Every member of the class writes a part, but the Commencement speakers are chosen on the basis of scholarship.

Senior year, second semester.

VIII. FINE ARTS

A course designed to give the student the basis for an intelligent appreciation of the fine arts. Architecture, Sculpture, Painting and Music. Literature, since it already occupies so large a place in the curriculum, is introduced only for the sake of comparison and illustration. Each art is studied (1) for the sake of a historical background, and (2) in order to get acquainted with its elements and principles. Critical judgment and taste are sought by a constant examination of representative work.

Three hours. First semester. Elective for Juniors and Seniors.

IX. FORESTRY

The completion of the following courses, together with specified courses in other departments (see page 83), will entitle the student to the degree of Bachelor of Science in Forestry (B.S.F.) Certain of the courses may be of interest and value to students not intending to specialize in forestry, particularly Courses 1, 2, 3, 5, and 6. The character of the work in the above courses makes it practicable for women students to elect these courses. In all courses where field work is involved, two hours' work in the field is considered equivalent to one hour in the class-room. Summer work is conducted on the College Forest at Alfred, Maine.

1, 2. An Introduction to Forestry. A general survey of the whole field of forestry, dealing briefly with subjects taken up in detail in the more advanced courses. The subjects treated include: forestry as a profession, the development of forestry at home and abroad, the conservation movement, forest economics, forest influences, dendrology, silvics, forest description, systems of management, improvement cuttings, regeneration of

the forest, its protection and valuation, and the utilization of forest products.

Three hours. First semester. Required of Freshmen that are candidates for the degree of B.S.F.

[Mechanical Drawing. The use of instruments. Geometrical problems and projection. Simple mechanical details. Introductory to Forestry 9 (Engineering Office Work).

Three periods of two hours each. Second semester. Required of Sophomores that are candidates for the degree of B.S.F. Not offered in 1921-1922.]

3, 4. Dendrology (Forest Botany). The study of trees and shrubs in regard to their identification, classification, habits of growth, relation to environment, economic uses, range, and local occurrence. Special attention is given during the first part of the year to the forest botany of New England, and by means of characteristics of leaves, stems, buds, etc., the student is taught to identify, in both summer and winter condition, about one hundred and fifty species that occur locally. This part of the course is of general interest to students other than those in the Forestry Department, and the work of the first semester is elective to all students in college.

The second semester is devoted to a consideration of the general dendrological features of the economically important forest trees of the entire United States.

Three hours. Lectures, and field or laboratory periods. Through the year. Required of Sophomores that are candidates for degree of B.S.F.

Mr. Sawyer.

5, 6. Silviculture. During the first semester a systematic study is made of silvics, the science. This deals not only with such topics as light, heat, moisture, air and soil in their influence on forest vegetation, but also treats of the characteristics of growth, distribution, and susceptibility to injury of trees as individuals; the growth of stands; and the composition, character, and form of the forest as a plant society. In the second semester, silviculture, the art of caring for forests is taken up. This includes the systems of cutting used in this country and abroad, the care and protection of forests, and their improvement and regeneration. When practicable, the class-room discussions are illustrated by field work, lantern slides and other visual means.

Three hours. Through the year. Required of Sophomores that are candidates for the degree of B.S.F.

7. Surveying. Brief recitations and lectures accompanied by syste-

matic field practice. The course includes: linear measurements; the adjustment and use of the engineer's transit; traversing; principles of land surveying; triangulation; topographic surveying; and determination of meridian by observation on Polaris.

Four days per week during the first five weeks after the close of the Sophomore year. In summer camp. Required of candidates for the degree of B.S.F.

8. Field Silviculture. Observation and field instruction in silviculture systems, methods of marking, improvement cuttings, insects and fungi.

Two days per week during the first five weeks after the close of the Sophomore year. In summer camp. Required of candidates for the degree of B.S.F.

9. Engineering Office Work. A course in general methods of computing and mapping. Exercises in calculation of bearings, latitudes and departures, calculation of omitted measurements, of areas, and of earthwork. Drafting room methods, working up field notes preparatory to plotting, plotting traverses, plotting maps from field work done in summer camp, finishing the map including tracing and coloring.

One one-hour recitation period and two two-hour laboratory periods. First semester. Prerequisites Trigonometry, Mechanical Drawing and Surveying.

[10. Lumbering. This subject is divided into two parts: logging and lumber manufacture. Logging includes a study of logging tools, machinery and animals; labor and camps; felling and log-making; land transport, both animal and power; water transport; timber slides and chutes; the construction of logging and freighting roads and railroads; bridges and trestles; trails and telephone lines. Lumber manufacture deals with the construction, equipment and arrangement of manufacturing plants, and the drying and finishing of the product.

Three hours. Second semester. Required of Juniors that are candidates for the degree of B.S.F. Not offered in 1921-1922.]

[11. Forest Entomology. The anatomy, classification, and identification of economically important forest insects. Insects in each group are studied with respect to their form, seasonal history, damage and control.

One one-hour period and two two-hour periods. First semester. Required of Juniors that are candidates for the degree of B.S.F. Not offered in 1921-1922.]

[12. Forest Pathology. A study of the diseases of shade and forest trees.

Three hours. Second Semester. Required of Juniors that are candidates for the degree of B.S.F. Not offered in 1921-1922.]

13. Forest Mensuration. Instruction largely by field work in log scaling and mill-scale studies; the methods of determining volume, volume growth, and yield of trees and stands; the preparation of volume tables, etc.; commercial timber estimating and mapping.

Four days per week during five weeks in late summer at Alfred, Maine, in summer camp. Required of candidates for the degree of B.S.F.

14. Practice of Forestry. An advanced course in silviculture in which especial attention is given to the practical silvicultural treatment of New England woodlands. A review is made of the silvicultural characteristics of the more important New England trees, after which the silvicultural systems applicable to New England conditions are taken up, as well as improvement cuttings, nursery practice, planting, and special protection problems.

Three hours per week. Second semester. Classroom of field work at option of instructor. Required of Juniors that are candidates for the degree of B.S.F.

15. Construction. Field and classroom work in principles of construction applicable to lumbering operations and general forest improvements. This course is designed to supplement the course in Lumbering (F-10) and to demonstrate the principles of constructing roads, trails, bridges, and other improvements contributing to an efficient forest administration.

Two days per week during 5 weeks in late summer at Alfred, Maine. Required of candidates for the degree of B.S.F.

17. Wood Technology. In this course, the student is taught methods of preparation of wood and wood products for microscopic study, and by recitations and laboratory study of his own preparations receives thorough instruction in wood structure. This is followed by practice in the identification of the economically important woods of the United States by means of their macroscopic and microscopic characteristics. Record's "Economic Woods of the United States" is used as a text and key to identification.

Three hours. First semester. Required of Seniors that are candidates for degree of B.S.F. Mr. Sawyer.

18. Forest Products. A study of the methods of manufacture and use of principal forest products except lumber, which include: wood pulp and paper; tanning materials; veneers; slack cooperage; tight cooperage; naval stores; hardwood distillation; softwood distillation; charcoal; boxes

and box shooks; cross ties; poles, posts, and piling; mine timbers; fuel wood; shingles and shakes; maple syrup and sugar; rubber; excelsior; and cork.

Three hours. Second semester. Required of Seniors that are candidates for the degree of B.S.F.

19, 20. Forest Management. This course aims to correlate and harmonize the principles and technical methods taught in the other forestry courses, with business considerations and the wishes of the forest owner. For convenience, the subject of Forest Policy is added to the topics normally treated under Management, namely, Mensuration, Finance, Regulation (including Working Plans) and Forest Administration.

Three hours. Through the year. Required of Seniors that are candidates for the degree of B.S.F.

X. FRENCH

The purpose of instruction in French is two-fold:

(1) To secure a thorough and exact appreciation of the language, literature and life of a nation which more than any other in Europe has made large and lasting contributions to modern civilization in art, intellectual culture and literary attainment; and

(2) To afford a practical knowledge of the language indispensable almost, to all students pursuing scientific, political, social and commercial subjects.

French is elective throughout the course. Students are urgently advised to take at least one year of French in college during their course, and those who take Beginners' French, especially candidates for the B.S. degree, should arrange to take French for at least two years. A good reading knowledge of French, considered essential for the specialist in any profession, cannot be well attained in less time.

Students wishing to major in French should ordinarily select courses 5-6, 9-10 and one of the Senior courses, while those preparing to teach French should take at least six semester hours in French each year. The New England Modern Language Association recommends that at least one-third or one-fourth of the total number of hours required for a college degree should be considered a minimum for the preparation of the prospective teacher in his chosen language specialty, and only those, therefore, should seek recommendation to teaching positions in French who have fulfilled these minimum requirements.

The wide interest, large activity and unquestioned success obtained by

France in the pursuit of scientific investigation, emphasizes the necessity of having access to its results. Course 17-18 offers to students in chemistry and biology and related sciences, in mathematics, physics, engineering and medicine, an opportunity to secure a practical knowledge of the scientific French expressions, valuable to all students who look forward to post-graduate work in technical and other institutions.

1, 2. Beginner's French. Pronunciation, Grammar, Reading, Composition.

Three hours. Through the year. Elective for Freshmen.

3, 4. Intermediate French. A course in general and historical prose. Grammar and Composition.

Three hours. Through the year. Elective for Freshmen and Sophomores that present Elementary French for Admission.

5, 6. Advanced French. Reading in authors belonging to special periods of French Literature.

Three hours. Through the year. Elective for students that have passed course 4 or that have passed the examination in Advanced French for admission.

7, 8. A Teacher's Course in Conversation and Advanced French Composition. The course furnishes practice in speaking and writing French. It consists of dictations, composition, readings and talks in French and aims to enable the student to understand readily French when spoken and to give him thorough training in the use of the idioms of the language. Weekly lectures are also given, together with discussions on the practice and methods of teaching, and opportunities for actual teaching are provided.

Three hours. Through the year. Elective for students that have passed in course 6 and for others with the consent of the instructor.

[9, 10. General Survey of French Literature. Lectures, readings, themes.

Three hours. Through the year. Elective. Course 6 prerequisites. Not offered in 1921-1922.]

11, 12. French Literature of the Sixteenth and Seventeenth Centuries. Lectures, themes and collateral reading.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

[15, 16. French Literature in the Nineteenth Century. Lectures translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course. Not offered in 1921-1922.]

15, 16. French Literature in the Ninethhnth Century. Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

17, 18. Scientific French. A course in scientific French is offered, intended to furnish facility in reading and understanding writings of a scientific character. Daniel's Scientific French Reader will be used, followed by texts on specific subjects in special departments, and the reading and discussion of articles from scientific journals.

One hour. Through the year. Elective. Course 6 prerequisite. By special arrangement this course may also be taken in conjunction with courses 7 and 8 to count for three hours.

XI. GEOLOGY

1. Physical Geology. A study of the broad facts and principles of the science of the work of the atmosphere; of rain and running water; of lakes and the ocean; of ice as a geological agent; of underground water; of volcanoes and earthquakes; of the general structure of the Earth and the chief classes of rocks; the origin and history of mountains; and the leading facts about ore deposits.

Three periods of one or two hours each. First semester. Elective for Juniors and Seniors.

2. Historical Geology. A study of the origin of the Earth and its chief relations to the heavenly bodies; of its development throughout the eras of geological time; and the rise and changes of the principal types of animal and plant life. Special attention is given to the history of the North American Continent and its life; to the problem of the age of the Earth, and man's place in nature.

Three periods of one or two hours each. Second semester. Elective for Juniors and Seniors.

3. Economic Geology. A study of the nature, mode of occurrence and uses of the earth-substances which have commercial and industrial importance.

Three periods of one or two hours each. First semester. Elective for those that have passed in Geology 1.

4. Geography. A survey of the earth interpreted geologically and related to human activities.

Three hours. Second semester. Elective for those that have passed in Geology 1 and 2.

XII. GERMAN

German is offered throughout the four years, three hours per week.

The aim of the Elementary German is the acquisition of a thorough knowledge of the fundamentals of German grammar and the ability to translate into good English all texts read. The aim of German 3-10 is an introduction to the masterpieces of the German drama of the classical period, a general knowledge of the history of German literature, and a comprehensive view of the tendencies in German literature since Goethe's death.

Careful drill in pronunciation and the intelligent reading of the German text are insisted upon. Some practice in conversation is given, and German is used in the classroom as far as is deemed advisable by the instructor. In the elective courses a large amount of collateral reading outside the classroom is expected. Advanced grammar and composition are not lost sight of throughout the course, although no specialty is made of these subjects after the first year.

1, 2. Elementary German. Grammar, composition, pronunciation, dictation, reading of graded selections of German prose and poetry.

Three hours. Through the year. Elective for Freshmen and Sophomores.

3, 4. Intermediate German. Modern prose, narrative and dramatic. Selected works from such authors as Baumbach, Freytag, Grillparzer, Heyse, Keller, Riehl, Storm, and Wildenbruch. Review of the grammar of the first year, and study of the syntax based on the texts read. Prose ocmposition.

The purpose of German 3 and 4 is to give the student facility in reading standard modern narrative prose.

Three hours. Through the year. Elective for Sophomores and Juniors. German 1 and 2 prerequisites.

[3a, 4a. Review of Grammar, Prose Composition, Simple Conversation, Reading of Selected Works from Modern Authors. Intended primarily for Freshmen who present advanced German for entrance to college.

Three hours. Through the year. Not offered in 1921-1922.]

5, 6. Introduction to German Literature of the Eighteenth Century. Selected dramas from Lessing, Goethe, and Schiller. The purpose of German 5 and 6 is an introduction to the latest classical period in the history of German Literature. The work of the first semester deals mainly with Lessing, and with the Storm and Stress period as exemplified in the early works of Goethe and Schiller; during the second semester emphasis will be laid on the later works of Goethe and Schiller as expressive of the classical sympathies of the two poets.

German 5 and 6 can be pursued to best advantage by Juniors that have had German 3 and 4. Juniors that have had only German 1 and 2, and that do not plan to elect German 7 and 8, are recommended to elect German 3 and 4.

Three hours. Through the year. Elective for Juniors.

7. Goethe's Faust. Part I and selected portions of Part II. In addition to a critical study of the text, special attention is given to the genesis and the development of the Faust legend, and to the life of Goethe as reflected in Faust. Collateral reading in connection with the Faust theme.

Three hours. First semester. Elective for Seniors.

8. Introduction to German Literature of the Nineteenth Century. A rapid survey of the most important movements of the nineteenth century, with illustrative readings from various representative writers. The emphasis for the current year will be placed on the works of Hauptmann and Sudermann.

Three hours. Second semester. Elective for Seniors.

[9, 10. Outline History of German Literature. German 9 and 10 are intended primarily for Juniors that presented advanced French and German for admission, and have taken German 5 and 6. The work in the history of the literature, one hour a week, will be supplemented by an intensive study of some literary movement or author of the nineteenth century.

Three hours. Through the year. Elective for Juniors after consultation with the instructor. Not offered in 1921-1922.]

11, 12. Scientific German. These courses are intended for students that wish to acquire a reading knowledge of scientific German. During the first semester a general science reader, such as Meisnest's Introduction to Scientific German, Wait's German Science Reader, or Wallentin's Grundzüge der Naturlehre is used. The work of the second semester depends largely upon the demands of the class. If desired, a monograph

dealing with some particular phase of biology, chemistry, or physics is read.

One hour. Through the year. Elective for Juniors and Seniors.

13, 14. Teacher's Course in German. German 13 and 14 are presented to students wishing to teach German. The work includes a general review of German grammar, the essentials of phonetics, practice in German conversation and a discussion of the problems, aims, text-books, and theories of instruction with respect to the German language and literature.

One hour. Through the year. Elective for Seniors.

XIII. GREEK

The courses are so arranged as to give the student a first-hand acquaintance with nearly all the divisions of the wide and varied field of Classical Greek Literature. The foremost purpose is to lead to an appreciation of the individual masterpieces read. At the same time the student is encouraged to become acquainted with the entire groups of which these separate works are specimens, and with the history, civilization and art of the periods to which they belong. Lectures and class and individual assignments of library work serve to enlarge the outlook gained from study of a single text. With the same end in view as many additional works as possible are covered through sight reading, and the reading and discussion of translations. While drill in grammar and syntax is not made the main end, accuracy and precision in these subjects are insisted upon throughout the course. Another constant purpose is to prepare intelligent and enthusiastic teachers of the Classics.

Students entering with complete or partial preparation in Greek will be admitted to course 5 or 7, or to course 3, according to the extent of their preparation. Special attention is called to courses 11 and 12, which require no knowledge of the Greek language, but are intended to bring the student, through English versions, into acquaintance with the whole range of Greek drama.

1, 2. First Year Greek. Grammar and composition, and reading of the Fourth Book of Xenophon's Anabasis.

Three hours. Through the year. Elective for Freshmen.

2a. Greek Literature. History and study of representative works and illustrative passages in English versions. Text-book, lectures, classroom study and library assignments. No knowledge of Greek is necessary.

Three hours. Second semester. Elective for Freshmen.

3, 4. Second Year Greek. Selections from Herodotus and Homer; the Alcestis of Euripides. Review of grammar and syntax.

Three hours. Through the year. Elective for Sophomores.

[5. Plato, Apology and Crito, and selections from the Republic.

Three hours. First semester. Elective for Juniors and Seniors. Not offered in 1921-1922.]

[6. Epic Poetry. Reading of selected books of the Iliad and of intervening passages in English versions; survey of the Odyssey; brief study of the epics of other literatures.

Three hours. Second semester. Elective for Juniors and Seniors. Not offered in 1921-1922.]

7. The Greek Tragic Poets. One play each of Aeschylus, Sophocles and Euripides will be read in the original, and most of the other plays studied in English versions.

Three hours. First semester. Elective for Juniors.

8. Greek Lyric Poetry.

Three hours. Second semester. Elective for Juniors and Seniors.

9, 10. New Testament Greek. The first semester the Gospel of John and the Book of Acts will be read. In the second semester the work will alternate, one year comprising the Gospel of Luke and the non-Pauline epistles, the succeeding year selected epistles of Paul. This course is very strongly recommended for all students preparing for the ministry, Christian Association or kindred work. It is open to all who have completed Second Year Greek, and to those who have completed First Year Greek, if judged proficient by the instructor.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

11, 12. The Greek Drama in English Versions. No knowledge of Greek is required for these courses. All the plays of Aeschylus and Sophocles will be read, and selected plays of Euripides, Aristophanes and Menander. Some attention will be given to the history of the development of the drama, but the main purpose will be the study of the plays as works of literature.

Three hours. Through the year. Elective for Juniors and Seniors.

XIV. HISTORY AND GOVERNMENT

History

1. Greek and Roman Statesmanship. Greek and Roman History, studied with special reference to the problems encountered by statesmen in foreign relations and domestic politics.

Three hours. First semester. Elective for Freshmen. Professor Chase.

2. Mediaeval Europe. A survey of the Roman Empire, the invasions of the German tribes, and a more detailed study of the Mediæval period. Special attention is given to such topics as Feudalism, the Crusades, the Church, and the Renaissance.

Three hours. Second semester. Elective for Freshmen. Professor Chase.

3. The Modern Age. The development of the leading Continental European nations up to 1789. A detailed study of the political and constitutional development of England is made.

Three hours. First semester. Elective for Sophomores, Juniors and Seniors.

4. History of Europe from *1815* to *1920*. The Reconstruction of Europe; the Revolution of 1848; unification of Italy and Germany; social and industrial progress; international rivalries; causes of the Great War; brief survey of governments of England, France and Germany.

Three hours. Second semester. Elective for Sophomores, Juniors and Seniors.

5. American History to *1829*. A study of the establishment of the various European Colonies in America, their expansion, their political, social, and economic development, the struggle between the French and the English for the possession of North America, the causes and progress of the Revolutionary War, the formation of the Constitution, and the rise of political parties.

Three hours. First semester. Elective for Juniors and Seniors.

6. American History, *1829* to the Present Time. Attention is centered upon the growth of nationality, upon the political phase of the controversy over slavery, upon the Civil War and Reconstruction, and upon the more important features of recent American History. Course 3 must precede course 4.

Three hours. Second semester. Elective for Juniors and Seniors.

7. World Politics. A study of intervention and diplomacy in Asia

and Africa, particularly the relation of European states with China, Japan and Asia Minor.

Three hours. First semester. Prerequisite, History 4.

8. The Teaching of History. A study of the problems of secondary instruction with particular reference to history. Lectures on the place of history, the selection and use of text-books and other aids to historical instruction. Lesson plans and the results of observation of actual teaching will be discussed. The teaching of civics will receive some attention.

One hour. Second semester. Elective for students that have had a minor in history.

Government

1. American Federal Government and Party System. A study of the American government, its executive, legislative and judicial departments, together with a study of the relation of the states to the nation and the American Party System, including a sketch of parties, party leaders and of presidential elections, with a study of party machinery and current party problems. Comparisons will be made with two or three European governments, particularly with reference to England.

Three hours. First semester. Elective for Sophomores, Juniors and Seniors.

2. State and Municipal Government in the United States. During the first part of the semester the state governments will be considered with attention to the problems which they present in the light of recent social and industrial developments. Most of the time will be given to a study of municipal government. This study will include: the history and development of municipal government in America; the organs of city government and their relation to each other; the relation of the municipality to public service corporations, and the problems of municipal ownership.

Three hours. Second semester. Elective for Sophomores, Juniors and Seniors.

XV. HOUSEHOLD ECONOMY

The purpose of this department is to deepen interest in Woman's Work by directing those who are becoming intellectual women to their special contribution to civilization in the home problems of the nation, the city, the town, the institution, or the private home. Its trend is cultural rather than vocational, as best fitted to the Academic College. The work covers four semesters.

BACTERIOLOGY AND SANITATION

The courses aim at making the student a more effective member of the home and of the community through an appreciative acquaintance with approved modern methods of household and municipal sanitary administration.

1. Bacteriology deals with the place of the microscopic fungi in nature, and with the structure, life history, and vital activities of yeasts, molds, and various types of bacteria. This study makes possible an understanding of the principles that govern growth and reproduction.

One hour. First semester. Required of Sophomores.

2. Sanitation applies these principles to the problems of personal, household, and municipal cleanliness; the construction and care of storage facilities; care, inspection and sale of food supplies; construction and care of sanitary appliances; drainage; the disposal of wastes; disease, infection, immunity; the sick room; care of the public health, etc. Illustrations are taken from examples of progressive municipal sanitary practice. The place of bacteria in the industries, and their relation to the fertility of the soil are also briefly discussed. Lectures, papers, discussions.

One hour. Second semester. Required of Sophomores.

Household Management

1, 2. In this course is discussed the wise division of the income for different needs; for food, housing, educational opportunities, amusements, social betterment, together with questions of marketing, selection of meats, etc., for greatest economy and nutrition, of diet for sick and well, of choice of architecture for home, location, lighting, ventilation; of furnishings for utility and beauty, and economy and suitability in clothes.

One hour. Through the year. Elective for Juniors and Seniors.

XVI. LATIN

Latin is offered throughout the four years three hours a week, except in Latin A, Latin B, and Latin 4a. The courses for Juniors and Seniors are given in alternate years, and are open to both classes.

The courses of study in this department have been arranged with the belief that an acquaintance with Latin literature is an essential of real culture. An effort is made to cultivate the ability to read Latin easily and at sight, to secure grace in translation, an appreciation of the literary worth of the author, and a clear mental picture of the life and times in which each wrote.

Students intending to devote themselves to the teaching of Latin are advised to pursue the study of Latin for at least three years and of Greek for at least two.

Latin A. A thorough review of the fundamental principles of Latin Grammar, and the study of selections from Vergil's Æneid.

Four hours. Through the year. Required of Freshmen that offer only three years of Latin for admission, and are candidates for the degree of Bachelor of Arts.

Latin B. Selected orations of Cicero, selections from Vergil's Æneid, elementary Latin Composition.

Four hours. Through the year. Required of Freshmen that, entering as candidates for the degree of Bachelor of Science, offer only two years of Latin, but desire to qualify for the degree of Bachelor of Arts. Mr. Forbes.

1. Cicero: Tusculan Disputations. Book I.

Three hours. First semester. Required of Freshmen that offer Advanced Latin for admission, and are candidates for the degree of Bachelor of Arts.

2. Horace: Odes, Epodes, and *Carmen Saeculare.*

Three hours. Second semester. Required of Freshmen that have taken Latin 1 and are candidates for the degree of Bachelor of Arts.

3. Cicero: *De Senectute, De Amicitia,* and The Dream of Scipio.

Three hours. First semester. Elective for Sophomores.

4. Latin Comedy: Two plays of Plautus, and one of Terence.

Three hours. Second semester. Elective for Sophomores.

4a. Latin Composition. This course is designed to meet the needs of students that expect to teach Latin.

One hour. Through the year. Elective for Sophomores, Juniors, and Seniors.

5. Juvenal: Selected Satires. Martial: Selected Epigrams.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course.

6. Tacitus: Selections.

Three hours. Second semester. Elective for Juniors and Seniors that have completed at least two elective courses.

[7. Pliny the Younger: Selected Letters. Tibullus, Propertius, and Ovid: Selected Elegies.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course. Not offered in 1921-1922.]

[8. Horace: Selected Satires and Epistles.

Three hours. Second semester. Elective for Juniors and Seniors that have completed at least two elective courses. Not offered in 1921-1922.]

XVII. MATHEMATICS

1. Algebra and Trigonometry. Ratio and proportion, variation, series, binomial theorem, undetermined coefficients, logarithms, permutations and combinations, continued fractions, theory of equation, graphic algebra. Wells' College Algebra. This portion of the work closes before the holiday vacation, and the remainder of the semester is given to plane trigonometry.

Three hours. First semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

2. Trigonometry and Solid Geometry. Plane Trigonometry with problems and applications. Phillips and Strong's Trigonometry. Solid Geometry including polyhedral angles, the various solids bounded by planes, the cone, the cylinder, and the sphere. This course includes a large amount of original work in demonstration and computation. Phillips and Fisher's Solid Geometry.

Three hours. Second semester. Required of all Freshmen for the B.S. degree; elective for the A.B.

3. Spherical Trigonometry, Surveying and Plane Analytic Geometry. This is a continuation of course 2, with problems and applications to astronomy. This portion of the work closes the fourth week and the remainder of the time before the holiday recess is given to surveying which includes the theory of chain, compass, and transit surveying, leveling, the adjustment and use of instruments, computation of area, and scale drawings. Raymond's Plane Surveying. The remainder of the term is given to Plane Analytic Geometry. A study of the point and line. Tanner and Allen's Analytic Geometry.

Three hours. First semester. Elective for Sophomores.

4. Analytic Geometry. A continuation of course 3. The circle and transformation of co-ordinates, conic sections, equation of second degree, elements of solid analytic geometry.

Three hours. Second semester. Elective. Course 3 prerequisite.

5. Differential Calculus. Differentiation of algebraic and transcendental functions with application to problems, change of the variables in derivatives, maxima and minima of functions of two or more independent variables, curve tracing, envelopes. Osborne's Differential and Integral Calculus.

Three hours. First semester. Elective. Courses 3 and 4 prerequisites.

6. Integral Calculus. Various methods of integration with applications.

Three hours. Second semester. Elective. Courses 3, 4, and 5 prerequisites.

7. Integral Calculus Completed and Differential Equations. Integration as a summation, successive integration, surface, volume and moment of inertia of any solid, center of gravity, pressure of fluids, force of attraction. This portion of the work closes with the tenth week of the first semester and the remainder of the semester is given to Differential Equations (Elementary course). Solution of ordinary and partial differential equations with applications to geometry and physics. Campbell's Differential Equations.

Three hours. First semester. Elective. Courses 3 to 6 prerequisites.

8a. Differential Equations Completed. This is a continuation of course 7 and closes before the spring vacation.

8b. Determinants and Theory of Equations. This course is devoted to determinants, complex quantities, properties of polynomials, general properties of equations, symmetric functions, limits and separations of the roots of an equation, elimination and solution of numerical equations. Barton's Theory of Equations.

Three hours. Second semester. Elective for Seniors.

XVIII. PHILOSOPHY

1. Psychology. A general introductory course in the elements of mental activity. The neurological basis of conscious processes is examined, and data thus gained are applied to the explanation of human behavior. The biological point of view is kept constantly in mind.

This course serves as a foundation for the work in Education.

Three hours. The course is given each semester. Elective for Sophomores and Juniors.

2. Social Psychology. A more intensive and extended study of psy-

chological principles and of their application to the practical problems of individual and social development.

Three hours. Second semester. Elective for students that have had course 1.

3. Logic. A study of the principles underlying correct thinking, both deductive and inductive. Practical exercises will be used throughout the course to give the student practice in analyzing argument and in detecting fallacies. The epistemological bearing of the subject will also be examined.

Three hours. First semester. Elective for students that have had course 1.

4. History of Philosophy. The aim of the course is to familiarize the student with the fundamental problems of philosophy as they have developed historically and to give him some exercise in critical and constructive thinking.

Three hours. First semester. Elective for Juniors and Seniors.

5. Introduction to Philosophy. A general introduction to the field of Philosophy by the topical plan. After a brief survey of the various problems with which Philosophy deals, some of the most important ones are taken up for a more intensive study.

Three hours. First semester. Elective for Juniors and Seniors. Not offered in 1921-1922.

6. The Philosophy of Evolution. An historical and critical examination of the evolutionary hypothesis to determine its bearing on the problems of Metaphysics, Ethics, and Religion, and its authority in these fields.

Three hours. Second semester. Elective for Juniors and Seniors.

7. Ethics. A course in the history, theories, and applications of morality. After a brief summary of the course of moral development, an examination of various ethical theories is made with a view to finding a satisfactory basis for individual and social morality. Stress is then laid upon the application of ethical principles to the problems and conditions of life today.

Three hours. Second semester. Elective for Juniors and Seniors.

XIX. PHYSICS

1, 2. Elementary Mechanics. General Physics.

Four hours. Through the year. Required of Sophomores that are candidates for the degree of B.S.

Courses 1, 2 form the basis for advanced work in physics. They treat of the fundamental principles of the entire subject, mechanics of solids, liquids, and gases, heat, magnetism and electricity, sound, and light. While emphasis is placed on the mathematical treatment of the subjects, considerable attention is given to the descriptive and historical aspects of physics.

The laboratory work is purely quantitative and is designed to illustrate the principles studied in the classroom, to train the student's power of observation, and to give him some technical knowledge of physical measurements.

3, 4. General Physics.

Two recitation periods and one two-hour laboratory period per week. Through the year. Elective for Sophomores that are candidates for the degree of A.B.

Courses 3, 4 are designed to meet the needs of students that intend to teach physics in a High School. The cultural rather than the technical side of the subject will be emphasized. A representative high school text will be discussed in the classroom, while the laboratory work will include many experiments suitable for use in secondary schools.

5, 6. Laboratory Physics.

Three two-hour periods. Through the year. Elective for Juniors. Physics 3, 4 and Mathematics 3, 4 prerequisites.

Courses 5, 6 are designed to give the student a good working knowledge of practical physics. The problems studied include the calibration and standardization of various measuring instruments; the determination of specific heat; experiments on the diffraction and interference of light, spectrum analysis; measurements of currents, electromotive forces, capacities, and magnetic constants. The apparatus available for these courses is of high grade and includes standards of length, resistance, capacity, etc., certified by the Physikalisch-Technische Reichsanstalt.

7, 8. Laboratory Physics (advanced course).

Three three-hour periods per week. Through the year. Elective for Seniors. Physics 5, 6 and Mathematics 5, 6 prerequisites.

This course comprises electrical measurements of precision: including high and low resistance, temperature coefficients of resistance, absolute capacity determinations, current and potential measurements with the potentiometer and standard cells, magnetic properties of iron, etc. The student is expected to arrange the necessary apparatus and to construct in the shop such subsidiary apparatus as may be needed. He is required to make use

of the reference library in studying the various methods employed in practical and absolute electrical measurements.

9, 10. Advanced Electricity and Dynamos and Motors.

Three hours per week. Through the year. Elective for Seniors. Physics 5, 6 and Mathematics 5, 6 prerequisites.

A study of the theory, construction, and operation of direct and alternating current apparatus; generators, motors, synchronous converters, transformers, etc. The solution and discussion of a large number of practical problems forms an important part of the work. Experimental illustration in the laboratory is correlated with the classroom work.

11, 12. Analytical Mechanics.

Three hours per week. Through the year. Elective for Seniors. Mathematics 5, 6, 7 prerequisites.

XX. PUBLIC SPEAKING

The required work in Oratory of the Freshman and Sophomore years is largely preparatory in its nature, and deals with the technical side of Public Speaking. The student is shown the relation of the mind to Vocal and Pantomimic Expression, and is taught to think more clearly and definitely. Concentration, sequence of ideas and conception are studied the Freshman year, and the logical action of the mind, as shown by the various methods of emphasis, is discussed and exemplified the Sophomore year. Vocal and Pantomimic training is studied and attention is called to faults of tone and bearing, and to mannerisms and defects in speech.

1. The Study and Development of Elemental Thought Processes as Related to Vocal Expression. Attention. Sequence of ideas. Conception.

Vocal training. Correct method of breathing. Openness of tone passage. Preparatory actions for speech. Ease, freedom, and openness in tone production. The study of articulation, enunciation, and pronunciation.

Prize Speaking, in which every member of the Freshman Class is prepared by special instruction and drill, and in which the principles studied in class are applied to public speaking.

One hour. Second semester. Required of Freshmen.

2. The Development of the Logical Instinct in Speaking. The study of Emphasis and its various forms of expression. Inflection. Change of Pitch. Pause. Antithesis. Subordination. Movement. Force.

Vocal Training, to secure control of breath and elasticity of tone.

One hour. First semester. Required of Sophomores.

Prize Speaking, in which every member of the Sophomore Class is prepared by special instruction and drill.

One hour. First semester. Required of Sophomores.

3. Public Speaking. Beginning with the simplest forms of extempore speaking, each student is required to describe before the class something from his own experience, as a visit to some large city, a noted building, a work of art, a journey taken, until some freedom in speaking before the class has been gained, and then the parts of the speech (the introduction, statement, body and conclusion) are studied and more finished speeches are made by the students. These speeches are criticised for form and manner of delivery, by the students and instructor.

Special training for students competing for the Junior Prize Speaking.

One hour. Second semester. Elective for Sophomores.

4. Public Speaking (continued). This course is open to the members of the Junior and Senior classes who have completed the preceding courses. The various forms of "Speeches for Special Occasions" are studied and original examples are presented by each member of the class.

One hour. First semester.

5. Development of the Dramatic Instinct. The study of a Shakespearean play and short scenes from the old comedies.

One hour. Second semester. Elective for Seniors.

6. Class in Methods of Teaching Elocution and Oratory designed to aid those who may have to coach students in Prize Speaking contests and Graduating Parts.

One hour. Second semester. Elective for Seniors.

XXI. SPANISH

1, 2. Elements of Spanish. Pronunciation, grammar, composition, translation of graded selections of prose and poetry, sight-reading and dictation.

Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

3, 4. Advanced Readings in Spanish Classics, and Composition. Studies in Spanish-American Literature.

Three hours. Through the year.

5, 6. Studies in Modern Spanish. Composition; commercial and industrial Spanish; history of Spanish language and literature.

Three hours. Through the year.

XXII. HYGIENE AND PHYSICAL EDUCATION

In the Departments of Hygiene and Physical Education required courses are given both to men and women; courses in Physiology are required of men and women in the Freshman year.

Physical Training courses count as required courses, and receive credit in semester hours on the same basis as laboratory work; the work in military training, when offered, counts toward the Physical Training credits for the semester. The total number of hours credit for Physical Training, however, shall not exceed nine semester hours for the four years.

Hygiene for Men

The Director of Physical Training gives each young man entering the Freshman Class a thorough physical examination during the first term of his attendance at College. If needed a handbook containing the exercises prescribed for the correction of any physical defects shown by his examination and giving specific directions in regard to diet and bathing is furnished each student.

1, 2-B. Physiology, Anatomy, and Hygiene. Instruction in this course is given by lectures and recitations. This course is devoted chiefly to Physiology and Hygiene with emphasis placed upon Hygiene. "The Human Mechanism" by Hough and Sedgwick is used as a text. A course of practical lectures dealing with certain phases of personal hygiene; ways and means of securing and conserving health; habits; causes of disease; carriers of disease; defences against disease.

Two hours. Through the year. Required of Freshmen.

Physical Training for Men

1, 2-B. Class Exercises: Military drill, setting-up exercises, and Indian-club swinging. Squad exercises (graded to suit the strength of each division): Basketball, indoor athletics, chest-weights, developing appliances, bar, rings, etc.

Three hours. Through the year. Required of Freshmen.

3, 4-B. Class Exercises: Setting-up exercises, dumb-bell drill. Squad exercises: Boxing, wrestling, and heavy gymnastics, basketball, indoor athletics. Required of Sophomores.

5, 6-B. Class Exercises: Setting-up exercises. Squad-exercises: Basketball, indoor athletics, heavy gymnastics. Required of Juniors.

Hygiene and Physical Education for Women

1, 2-A. Hygiene, Anatomy and Physiology. This course aims to give a practical knowledge of the structure and operation, proper management, protection and care of the human body.

Two hours. Through the year. Required of Freshmen.

Work is carried on in the gymnasium or outdoors. The aim of this branch of the work is the promotion of bodily health and strength, the correction of faulty postures, relaxation from mental work, and the development of precision, alertness and grace of movement.

A careful physical and medical examination is made of each new student by a woman physician and the physical director, to ascertain her abilities and limitations.

As a substitute for the regular work of the three lower classes, Corrective and Light Gymnastics are given at the discretion of the director to overcome faults in posture and to those who have physical limitations.

1, 2-A. Physical Training. Swedish gymnastics, marching, apparatus work, and folk dancing in the winter. A choice of field hockey, tennis and hiking in the fall; soccer, tennis and track in the spring.

Three hours. Through the year. Required of Freshmen.

3, 4-A. Physical Training. Advanced Swedish gymnastics, marching, apparatus work, and aesthetic dancing. A choice of sports in the fall and spring.

Three hours. Through the year. Required of Sophomores.

5, 6-A. Physical Training. Indian club, wand or dumb-bell drill, marching, apparatus work, and aesthetic dancing. A choice of sports in the fall and spring.

Three hours. Through the year. Required of Juniors.

7, 8-A. Physical Training. Drill, marching, and apparatus work. A choice of sports in the fall and spring.

Two hours. Through the year. Elective for Seniors.

9, 10-A. Physical Training. Aesthetic and interpretive dancing.

Two hours. Through the year. Elective for Seniors.

[11, 12-A. Gymnastic Teaching. A study for the teaching of Swedish gymnastics. Especially adapted for those wishing to supplement the teaching of other subjects with gymnastics and coaching sports.

Two hours. Through the year. Elective for Seniors. Not given in 1921-1922.]

OUTLINE OF STUDIES

The figure preceding a subject indicates the number of the course in that study as explained on pages 00 to 00. The figure following a subject indicates the number of exercises per week. Electives are italicized. The left-hand column in the Freshman year shows the arrangement of courses for students who are candidates for the A.B. degree; the right-hand column, the arrangement for candidates for the B.S. degree. Subjects in square [ ] are not offered in *1921-1922*.

FRESHMAN YEAR

First Semester

A.B.		B.S.	
1 English	3	1 English	3
1 Latin	3	1 Forestry (B.S.F.)	1
Latin A	4	1 Mathematics	3
Latin B	4	1 A, B Physical Education	3
1 A, B, Physical Education	3	1 A, B Physiology	2
1 A, B, Physiology	2	1 *Biblical Literature*	3
1 *Biblical Literature*	3	1 *Biology*	3
1 *Biology*	3	1 *Chemistry*	3
1 *Chemistry*	3	1 *Economics*	3
1 *Economics*	3	1, 3, 5 *French*	3
1, 3, 5 *French*	3	1, 3, [3a] *German*	3
1. 3, 3a *German*	3	1 *Latin*	3
1 *Greek*	3	1 *History*	3
1 *History*	3		
1 *Mathematics*	3		

Second Semester

A.B.		B.S.	
2 English	3	2 English	3
2 Latin	3	2 Forestry (B.S.F.)	1
Latin A	4	2 Mathematics	3
Latin B	4	2 A, B Physical Education	3
2 A, B Physical Education	3	2 A, B Physiology	2
2 A, B Physiology	2	1 Public Speaking	1
1 Public Speaking	1	2 *Biblical Literature*	3

2 *Biblical Literature*	3	1 *Biology*	3
1 *Biology*	3	2 *Chemistry*	3
2 *Chemistry*	3	1 *Economics*	3
1 *Economics*	3	2, 4, 6 *French*	3
2, 4, 6 *French*	3	2a *Greek*	3
2, 4, 4a *German*	3	2, 4, [4a] *German*	3
2a, 2 *Greek*	3	2 *History*	3
2 *History*	3	2 *Latin*	3
2 *Mathematics*	3		

SOPHOMORE YEAR

For differences between the A.B. and B.S. courses after the Freshman year consult Major and Minor Requirements on pages 81-82.

3 English	3	1, 3 *German*	3
3 Forestry (B.S.F.)	3	1 *Government*	3
5 Forestry (B.S.F.)	2	3, 9 *Greek*	3
3 A, B *Physical Education	3	3 *History*	3
1 Physics (B.S.)	4	3 *Latin*	3
2 Public Speaking	1	3a. *Latin*	1
3 *Biblical Literature*	3	3 *Mathematics*	3
1 *Botany*	3	3 *Physics* (A.B.)	3
3 *Chemistry*	3	1 *Psychology*	3
2 *Economics*	3	1 *Spanish*	3
5. 7, 9 *French*	3	1 *Zoology*	3

Second Semester

4 Forestry (B.S.F.)	3	2 *Sanitation	1
6 Forestry (B.S.F.)	2	4 *Biblical Literature*	3
2 Physics (B.S.)	4	4 *Chemistry*	3
4 A, B Physical Education	3	1 *Biology*	3
2 Physics (B.S.)	4	2 *Botany*	3
4*a*, 4*b*, 5 *English*	3	3. [5], 6 *Economics*	3
6, 8, 10 *French*	3	3 Logic	3
2, 4 *German*	3	4 *Mathematics*	3
2 *Government*	3	4 *Physics* (A.B.)	3
4, 10 *Greek*	3	1 *Psychology*	3
4 *History*	3	3 *Public Speaking*	1
4 *Latin*	3	2 *Spanish*	3
4*a* *Latin*	1	2 *Zoology*	3

Outline of Studies

JUNIOR YEAR

First Semester

7 English	4	[5], 7, 9 *Greek*	3
9, 11 Forestry (B.S.F.)	3	11 *Greek Drama*	3
5 A, B Physical Education	3	11 *Hebrew*	3
1 *Astronomy*	3	3. 5 *History*	3
3, 5, 7 *Biblical Literature*	3	7 *History*	3
1 *Botany*	3	1 ***Household Management*	1
5, 7 *Chemistry*	3	3*a* *Latin*	1
2, 4, [7] *Economics*	3	5, [7] *Latin*	3
1 *Education*	3	5 *Mathematics*	3
6 *English*	3	4, 5 *Philosophy*	3
1 *Fine Arts*	3	5 *Physics*	3
5, 7, 9, 11, 13, 15 *French*	3	1, 2 *Psychology*	3
17 *French*	1	4 *Public Speaking*	1
1, 3 *Geology*	3	1 *Sociology*	3
5, [9] *German*	3	1, 3 *Spanish*	3
11 *German*	1	3 *Zoology*	3
1 *Government*	3		

Second Semester

10, [12], [14] Forestry (B.S.F.)	3	[6], 8, 10 *Greek*	3
6 A, B Physical Education	3	12 *Greek Drama*	3
2 *Astronomy*	3	12 *Hebrew*	3
4, 6, 8 *Biblical Literature*	3	4, 6 *History*	3
2 *Botany*	3	8 *History*	1
6. 8 *Chemistry*	3	2 *Household Management*	1
3, [5], 6 *Economics*	3	4*a* *Latin*	1
[2], 4 *Education*	3	6. [8] *Latin*	3
8 *English*	4	6 *Mathematics*	3
7 *Ethics*	3	6, 7 *Philosophy*	3
6, 8, 10, 12, 14, 16 *French*	3	6 *Physics*	3
18 *French*	1	1 *Psychology*	3
2, 4 *Geology*	3	2. [3] *Sociology*	3
6. [10] *German*	3	2, 4 *Spanish*	3
12 *German*	1	4 *Zoology*	3
2 *Government*	3		

SENIOR YEAR

First Semester

17, 19 Forestry (B.S.F.)	3	11 *Hebrew*	3
1 *Astronomy*	3	3, 5 *History*	3
3, 5, 7 *Biblical Literature*	3	7 *History*	3
9, 11, 13 *Chemistry*	3	1 *Household Management*	1
2, 4, [7] *Economics*	3	4*a* *Latin*	1
3 *Education*	3	5, [7] *Latin*	3
6 *English*	3	7 *Mathematics*	3
9 *English*	4	4, 5 *Philosophy*	3
1 *Fine Arts*	3	7, 9, [11] *A Physical Education*	2
7, 9, 11, 13, 15 *French*	3	2 *Psychology*	3
17 *French*	1	7, 9, 11 *Physics*	3
1, 3 *Geology*	3	4 *Public Speaking*	1
7 *German*	3	1 *Sociology*	3
11, 13 *German*	1	1, 3 *Spanish*	3
1 *Government*	3	5 *Zoology*	3
[5], 7, 9 *Greek*	3	7*a* *Zoology*	2
11 *Greek Drama*	3	7*b* *Zoology*	1

Second Semester

18, 20 Forestry (B.S.F.)	3	[6], 8, 10 *Greek*	3
2 *Astronomy*	3	12 *Greek Drama*	3
4, 6, 8 *Biblical Literature*	3	12 *Hebrew*	3
10, 12, 14, 15 *Chemistry*	3	4, 6 *History*	3
[1], 3, 5, [6] *Economics*	3	8 *History*	1
4, 6 *Education*	3	2 ***Household Management*	1
6*a* *Education*	1	4*a* *Latin*	1
5 *Education*	2	6, [8] *Latin*	3
7 *Ethics*	3	8 *Mathematics*	3
10 *English*	4	6, 7 *Philosophy*	3
11 *English*	1	8, 10 [2] *A Physical Education*	2
8, 10, 12, 14, 16 *French*	3	8, 10, 12 *Physics*	3
18 *French*	1	1 *Psychology*	3
2, 4 *Geology*	3	5, 6 *Public Speaking*	1
8 *German*	3	2, [3] *Sociology*	3
12, 14 *German*	1	2, 4 *Spanish*	3
2 *Government*	3	6 *Zoology*	3

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

Exclusive of the required work in Physical Training, each student is expected to register for not less than five three-hour courses, and for courses aggregating not more than seventeen hours (except that Freshmen in the second semester are required to take both Physiology and Public Speaking, making a total of eighteen hours).

Outline of Studies

Outline of required courses leading to the degree of B.S. in Forestry.

FRESHMAN YEAR

First Semester			Second Semester		
1	Forestry (Introduction)	3	1 Biology		3
1	Mathematics	3	2 Mathematics		3
1	Chemistry	3	2 Chemistry		3
	French or German	3	French or German		3
1	English	3	2 English		3
1	Physiology	2	2 Physiology		2

SOPHOMORE YEAR

3	Forestry (Dendrology)	3	4	Forestry (Dendrology)	3
5	Forestry (Silviculture)	2	6	Forestry (Silviculture)	3
1	Botany	3	2	Botany	3
1	Physics	4	2	Physics	4
3	English	3	[1	Mechanical Drawing	3]

SUMMER CAMP

(Early summer)

7 Forestry (Surveying)
8 Forestry (Silviculture)

JUNIOR YEAR

9	Forestry (Engineering office work)	3	[10	Forestry (Lumbering)	3]
[11	Forestry (Entomology)	3]	[12	Forestry (Pathology)	3]
1	Geology	3	14	Forestry (Practice of Forestry)	3
1	Zoology	3	2	Zoology	3
3	History (American)	3	4	History (American)	3

SUMMER CAMP

(Late summer)

13 Forestry (Mensuration)
15 Forestry (Construction)

SENIOR YEAR

17	Forestry (Wood Technology)	3	18	Forestry (Forest Products)	3
19	Forestry (Forest Management)	3	20	Forestry (Forest Management)	3
2	Economics	3	3	Economics	3
	Elective	3		Elective	3
	Elective	3			

*May be combined in one summer. [-] Not given in *1921-1922*.]

Recitation Schedule

FOR THE YEAR 1921-1922

	MONDAY	TUESDAY	WEDNESDAY
7.40	1 Biblical Lit. (1, 2) I 1 Economics (1) I f s 1 Latin A 1,2 German (1, 2) I 2 History (3, 4) I 2 Mathematics (3, 4) 2 Zoology (1, 2) 3 English (7, 8) I 3 Spanish (3, 4) 3,4 Greek (7, 8) 4 Education (3, 6) 4 Physics (9, 10)	1 Biology (1) I s 1 English (1, 2) I 1,2 French (5, 6) III 1,2 German (1, 2) II 1 Greek (1, 2) 2 Physics (1, 2) I [3 German (9, 10)] 3,4 Sociology (1, 3) 3,4 Spanish (5, 6) [3,4 Hebrew (1, 2)] 4 Chemistry (15) I f	1 Biblical Lit. (1, 2) I 1 Economics (1) f s 1 Latin A 1,2 German (1, 2) I 2 History (3, 4) I 2 Mathematics (3, 4) 2 Zoology (1, 2) 3 English (7, 8) I 3 Spanish (3, 4) 3,4 Greek (7, 8) 4 Education (3, 6) 4 Physics (9, 10)
9.00	1 Chemistry (1, 2) I 1 Economics (1) II f 1 English (1, 2) II 1 History (1, 2) I 1 Latin (1, 2) I 2 Biblical Lit. (3, 4) 2 English (3) I f 2 English (4b) s 2,3,4 French (9, 10) 3 Botany (1, 2) 3,4 Chemistry (5, 6) 3,4 Philosophy (4, 6) 3 Education (1, 4) I 3 English (7, 8) II 4 Forestry (19, 20) 4 Physics (7, 8)	1 Biology (1) II f s 1 Chemistry (1, 2) IV 1 Greek (2 a) s 1 History (1) II f 1 Latin (1, 2) II 2 Economics (2, 3) I 2 English (3) III f 2 English (4a) s 2 Forestry (5, 6) 2 Physics (3, 4) 3 Geology (1, 2) II 3 German (5, 6) 3,4 Government (1, 2) 4 Education (5) s [4 French (11, 12)] 4 Chemistry (13, 14)	1 Chemistry (1, 2) I 1 Economics (1) II f 1 English (1, 2) II 1 History (1, 2) I 1 Latin (1, 2) I 2 Biblical Lit. (3, 4) 2 English (3) I f 2 English (4b) s 2,3,4 French (9, 10) 3 Botany (1, 2) 3,4 Chemistry (5, 6) 3,4 Philosophy (4, 6) 3 Education (1, 4) I 3 English (7, 8) II 4 Forestry (19, 20) 4 Physics (7, 8) 4 Chemistry (9, 10)
10.00	1 Biblical Lit. (1, 2) II 1 Chemistry (1, 2) II 1 Forestry (1) f 1,2 French (3, 4) I 1 Mathematics (1, 2) I 2 Forestry (3, 4) 2 Gymnasium A II 2 History (3, 4) II 2 Psychology (1) II f 2,3 Psychology (2) s 2,3 Spanish (1, 2) I 3,4 Chemistry (5, 6) 3 Education (1,4) II 3 Forestry (10) s 3,4 Greek (5, 6) 4 Geology (3, 4) 4 Zoology (5, 6) 4 Physics (7, 8)	1 Chemistry (1, 2) V 1,2 French (3, 4) II 1,2 German (3, 4) 1 Gymnasium A I 1 Mathematics (1, 2) II 2 Physics (1, 2) II 2 Pub. Speaking (2, 3) I 3,4 Greek (9, 10) 3,4 Latin (5, 6) 4 Astronomy (1, 2) I 4 Forestry (17) f 4 French (15, 16) 4 Chemistry (13, 14)	1 Biblical Lit. (1, 2) II 1 Chemistry (1, 2) II 1 Forestry (1) f 1,2 French (3, 4) I 1 Mathematics (1, 2) I 2 Forestry (3, 4) 2 Gymnasium A II 2 History (3, 4) II 2 Psychology (1) II f 2,3 Psychology (2) s 2,3 Spanish (1, 2) I 3,4 Chemistry (5, 6) 3 Education (1, 4) II 3 Forestry (10) s 3,4 Greek (5, 6) 4 Geology (3, 4) 4 Zoology (5, 6) 4 Physics (7, 8)
11.00	1 Chemistry (1, 2) III 1 English (1, 2) IV 1,2 French (5, 6) I 1 Physiology (1, 2) B I 2 English (3) II f 2 Forestry (3, 4) 2 Gymnasium A I 2,3 Spanish (1, 2) II 3,4 Greek (11, 12) 3,4 History (7) f 4 Astronomy (1) II f 4 Mathematics (7, 8) [4 Logic (3) f] 4 Zoology (5, 6)	1 English (1, 2) III 1,2 French (5, 6) II 1 Gymnasium A II 1 Physiology (1, 2) B II 2 Economics (2, 3) II 2 English (3) IV f 2 English (5) s 2 Latin (3, 4) 2 Pub. Speaking (2) III f 3,4 Biblical Lit. (7,8) 3 History (5, 6) 3 Mathematics (5, 6) 4 Forestry (17) f 4 German (7, 8) 4 Physics (11, 12) 4 Zoology (7 a) f 4 Chemistry (13, 14)	1 Chemistry (1, 2) III 1 English (1, 2) IV 1,2 French (5, 6) I 1 Physiology (1, 2) B I 2 English (3) II f 2 Forestry (3, 4) 2 Gymnasium A I 2,3 Spanish (1, 2) II 3,4 Greek (11, 12) 3,4 History (7) f 4 Astronomy (1) II f 4 Mathematics (7, 8) 4 History(8) s 4 Zoology (5, 6) 3,4 Chemistry (7, 8)

Recitation Schedule

FOR THE YEAR 1921-1922

	THURSDAY	FRIDAY	SATURDAY
7.40	1 Biology (1) I s 1 English (1, 2) I 1,2 French (5, 6) III 1,2 German (1, 2) II 1 Greek (1, 2) 2 Physics (1, 2) I [3 German (9, 10)] 3,4 Sociology (1, 3) 3,4 Spanish (5, 6) [3,4 Hebrew (1, 2)] 4 Chemistry (15) II f	1 Biblical Lit. (1, 2) I 1 Economics (1) I f s 1 Latin A 1,2 German (1, 2) I 2 History (3, 4) I 2 Mathematics (3, 4) 2 Zoology (1, 2) 3 English (7, 8) I 3 Spanish (3, 4) 3,4 Greek (7, 8) 4 Education (3, 6) 4 Physics (9, 10)	1 English (1, 2) I 1,2 French (5, 6) III 1,2 German (1, 2) II 1 Greek (1, 2) 2 Physics (1, 2) I [3 German (9, 10)] 3,4 Sociology (1, 3) 3,4 Spanish (5, 6) [3,4 Hebrew (1, 2)]
9.00	1 Biology (1) II f s 1 Chemistry (1, 2) IV 1 Greek (2 a) s 1 History (1) II f 1 Latin (1, 2) II 2 Economics (2, 3) I 2 English (3) III f 2 English (4a) s 2 Forestry (5, 6) 2 Physics (3, 4) 3 Geology (1, 2) II 3 German (5, 6) 3,4 Government (1, 2) 4 Education (5) s [4 French (11, 12)] 4 Chemistry (13, 14)	1 Economics (1) II f 1 English (1, 2) II 1 History (1, 2) I 1 Latin (1, 2) I 2 Biblical Lit. (3, 4) 2 English (3) I f 2 English (4b) s 2,3,4 French (9, 10) 2 Zoology (1, 2) Lab. 3,4 Chemistry (5, 6) 3,4 Philosophy (4, 6) 3 Education (1, 4) I 3 English (7, 8) II 4 Forestry (19, 20) 4 Physics (7, 8) 4 Chemistry (9, 10)	1 Greek (2 a) s 1 History (1) II f 1 Latin (1, 2) II 2 Economics (2, 3) I 2 English (3) III f 2 English (4a) s 2 Forestry (5, 6) 3 Geology (1, 2) II 3 German (5, 6) 3,4 Government (1, 2) [4 French (11,12)]
10.00	1 Biology (1) I Lab. s 1 Chemistry (1, 2) V 1,2 French (3, 4) II 1,2 German (3, 4) 1 Gymnasium A I 1 Mathematics (1, 2) II 2 Physics (1, 2) II 3,4 Greek (9, 10) 3,4 Latin (5, 6) 4 Astronomy (1, 2) I 4 Forestry (17) f 4 French (15, 16) 4 Chemistry (13, 14)	1 Biblical Lit. (1, 2) II 1 Biology (1) III Lab. s 1 Forestry (1) f 1,2 French (3, 4) I 1 Mathematics (1, 2) I 2 Gymnasium A II 2 History (3, 4) II 2 Psychology (1) II f 2,3 Psychology (2) s 2,3 Spanish (1, 2) I 3,4 Chemistry (5, 6) 3 Forestry (10) s 3,4 Greek (5, 6) 3,4 Pub. Speak'g (4, 5) II 4 Geology (3, 4) 4 Zoology (5, 6) 4 Physics (7, 8)	1,2 French (3, 4) II 1,2 German (3, 4) 1 Gymnasium A I 1 Mathematics (1, 2) II 2 Physics (1, 2) II 3,4 Greek (9, 10) 3,4 Latin (5, 6) 4 Astronomy (1, 2) I 4 French (15, 16)
11.00	1 Biology (1) I Lab. s 1 English (1, 2) III 1,2 French (5, 6) II 1 Gymnasium A II 1 Physiology (1, 2) B II 2 Economics (2, 3) II 2 English (3) IV f 2 English (5) s 2 Latin (3, 4) 3,4 Biblical Lit. (7, 8) 3 History (5, 6) 3 Mathematics (5, 6) 4 Forestry (17) f 4 German (7, 8) 4 Physics (11, 12) 4 Zoology (7 a) f 4 Chemistry (13, 14)	1 Biology (1) III Lab. s 1 English (1, 2) IV 1,2 French (5, 6) I 1 Physiology (1, 2) B III 2 English (3) II f 2 Gymnasium A I 2,3 Spanish (1, 2) II 3,4 Greek (11, 12) 3,4 History (7) f 4 Astronomy (1) II f 4 Mathematics (7, 8) 4 Zoology (5, 6) 3,4 Chemistry (7, 8)	1 English (1, 2) III 1,2 French (5, 6) II 1 Gymnasium A II 1 Physiology (1, 2) B III 2 Economics (2, 3) II 2 English (3) IV f 2 English (5) s 2 Latin (3, 4) 3,4 Biblical Lit. (7, 8) 3 History (5, 6) 3 Mathematics (5, 6) 4 German (7, 8) 4 Physics (11, 12)

Recitation Schedule

FOR THE YEAR 1921-1922

	MONDAY	TUESDAY	WEDNESDAY
1.30	1 Biology (1) III s 1 French (1, 2) II 2 Chemistry (3, 4) 2 Psychology (1) I f s 3 Geology (1, 2) I 3 Physics (5, 6) 3 Zoology (3, 4) 3,4 Pub. Speaking (4, 5) I 4 English (9, 10) 4 Forestry (18) s 4 Chemistry (9, 10)	1 English (1, 2) V 1 Physiology (1, 2) A I 1 Pub. Speaking (1) II s 2 Physics (3, 4) Lab. 3 Botany (1, 2) Lab. 4 English (9, 10) 3,4 Chemistry (7, 8)	1 Biology (1) III s 1 French (1, 2) II 1 Chemistry (1, 2) LabB 2 Chemistry (3, 4) 2 Psychology (1) I f s 3 Geology (1, 2) I 3 Physics (5, 6) 3 Zoology (3, 4) 3,4 Pub. Speak'g (4, 5) III 4 Forestry (18) s
2.30	1 Biblical Lit. (1, 2) III 1 Gymnasium B I 1 Mathematics (1, 2) III 1 Pub. Speaking (1) I s 2 Chemistry (3, 4) 2 English (3) IV f 2 Greek (3, 4) 3,4 Economics (4, 6) 3 English (6) s 3 Fine Arts 3,4 French (7, 8) 3 Gymnasium A I 3 Physics (5, 6) 3 Zoology (3, 4) 4 Ethics (7) s [4 Zoology (7 b) f] 4 Chemistry (9, 10)	1 Gymnasium B II 1 Physiology (1, 2) A II 1 Pub. Speaking (1) III s 2 Physics (3, 4) Lab. 3 Botany (1, 2) Lab. 3 English (7, 8) II 3,4 Househ'd Mgt. (1, 2) 4 Gymnasium A (9, 10) [4 Logic (3) f] 4 Chemistry (7, 8)	1 Biblical Lit. (1, 2) III 1 Chemistry (1, 2) LabB 1 Gymnasium B I 1 Mathematics (1, 2) III 1 Pub. Speak'g (1) IV s 2 Chemistry (3, 4) 2 English (3) IV f 2 Greek (3, 4) 3,4 Economics (4, 6) 3 English (6) s 3 Fine Arts 3,4 French (7, 8) 3 Gymnasium A I 3 Physics (5, 6) 3 Zoology (3, 4) 4 Ethics (7) s
3.30	1 Gymnasium B II 3 Gymnasium A II [4 Zoology (7b) f] 4 Chemistry (9, 10)	2 Gymnasium B 4 Gymnasium A (7, 8)	3 Gymnasium A II 3 Gymnasium B
4.30		3 Gymnasium B	

Freshman courses are indicated by the figure one preceding the name of the course, Sophomore courses by the figure two, Junior courses by the figure three, Senior courses by the figure four. Courses open to more than one class are indicated by a combination of figures.

A course given in the first semester only is indicated by f; a course given in the second semester only is indicated by s; a course which is repeated during the second semester is indicated by f, s; a course enclosed in brackets is not being given during the current year.

Recitation Schedule

FOR THE YEAR 1921-1922

	THURSDAY	FRIDAY	SATURDAY
1.30	1 Biology (1) II Lab. f s 1 Chem. (1, 2) Lab. A 1 English (1, 2) V 1 Physiology (1, 2) A I 2 Physics Lab. 2 Pub. Speak'g (2, 3) II 4 English (9, 10)	1 English (1, 2) V 1 French (1, 2) II 1 Pub. Speak'g (1) IV s 2 Chemistry (3, 4) 2 Psychology (1) I f, s 3 Geology (1, 2) I 3 Physics (5, 6) 3 Zoology (3, 4) 4 English (9, 10) 4 Forestry (18) s 3,4 Chemistry (7, 8)	
2.30	1 Biology (1) II Lab. f s 1 Chem. (1, 2) Lab. A 1 Gymnasium B II 1 Physiology (1, 2) A II 2 Physics (1, 2) Lab. 3 Education (1, 4) II 3 English (7, 8) I 4 Gymnasium A (9, 10) [4 Logic (3) f]	1 Biblical Lit. (1, 2) III 1 Gymnasium B I 1 Mathematics (1, 2) III 2 Chemistry (3, 4) 2 English (3) IV f 2 Greek (3, 4) 3,4 Economics (4, 6) 3 English (6) s 3 Fine Arts 3,4 French (7, 8) 3 Gymnasium A I 3 Physics (5, 6) 3 Zoology (3, 4) 4 Ethics (7) s 3,4 Chemistry (7, 8)	
3.30	2 Gymnasium B 3 Latin (4 a) 4 Gymnasium A (7, 8)	2 Gymnasium B 3 Gymnasium A II	
4.30	3 Gymnasum B		

Freshman courses are indicated by the figure one preceding the name of the course, Sophomore courses by the figure two, Junior courses by the figure three, Senior courses by the figure four. Courses open to more than one class are indicated by a combination of figures.

A course given in the first semester only is indicated by f; a course given in the second semester only is indicated by s; a course which is repeated during the second semester is indicated by f, s; a course enclosed in brackets is not being given during the current year.

Degrees and Honors

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

BACHELOR'S DEGREE

The Bachelor's degree is conferred on all students that complete satisfactorily one hundred and thirty-one semester hours in the requisite courses, nine semester hours of which are to be in the department of Physical Training. Each candidate for this degree must submit not later than the Easter recess of his Senior year a thesis of not less than twelve hundred words upon some subject representative of his accepted Major. His subject for this thesis must be selected from a list presented by the head of the department in which he has chosen his Major and the subject must be handed in to the head of the department before the Christmas recess. Candidates are invited to submit subjects for the approval of those in charge of the lists.

MASTER'S DEGREE

The degree of Master of Arts is conferred on graduates of the College of at least three years' standing who have completed one year's graduate non-professional study or its equivalent. Either two or three subjects may be selected, with the advice and under the direction of the heads of the College departments. Evidence of proficiency is to be given by examinations and theses. Theses must be presented and fees paid as early as June 1st, and final examination must be passed not later than ten days before the annual Commencement. The fee is $10.00. Modifications of the foregoing conditions may be granted resident graduates. Further information on the subject may be obtained by writing to the Secretary.

GROUP ARRANGEMENT OF STUDIES

The different departments of instruction are arranged under three groups: I, Languages; II, Philosophy (including History and the Social Sciences); and III, Sciences (including Mathematics).

GROUP I	GROUP II	GROUP III
Languages	**Philosophy**	**Sciences**
English	Biblical Literature and Religion	Astronomy
French	Economics	Biology
German	Education	Botany
Greek	Ethics	Chemistry
Hebrew	Fine Arts	Engineering
Latin	Government	Geology
Spanish	History	Mathematics
	Philosophy	Physics
	Psychology	Physiology
	Sociology	Zoology

REQUIREMENTS

A candidate for the degree of Bachelor of Arts must complete before graduation a Major subject in Group I or II, and a Minor subject in each of the other groups. A candidate for the degree of Bachelor of Science must complete before graduation a Major and a Minor subject in Group III, and a Minor in each of the other Groups.

In complying with the above conditions, subjects indicated as required in the "Outline of Studies" may count equally with electives. A student in making his selections for the Junior year should indicate in which Group he intends to secure his Major, and in making his selections for the Senior year should indicate the Departments in which he intends to secure his Major and his Minors.

MAJORS AND MINORS

All candidates for degrees are required to make their selections with reference to Major and Minor subjects.

A Major subject is one which is pursued at least three hours a week for three years, including the Senior year; in case of "alternate" courses in the foreign languages, if a Senior course is pursued during the Junior year, the Major may be completed at the end of the Junior year.

A Minor subject is one which is pursued at least three hours per week for two consecutive years or consists of six three-hour courses of definitely related subjects, and may be pursued in any of the subjects possible for Majors. Three single year's work in as many subjects in the various departments of any one group will also be accepted as a Minor. In certain

other cases, by arrangement with the Committee on Curriculum, a Major or a Minor study may be kept up by a combination of related courses from different departments.

English 1 2, French 1, 2, German 1, 2 (if begun in the Freshman year), History 1, 2, Latin A, B, and Physiology must not be counted towards a Minor.

HONORS

The method of awarding honors and assigning Commencement parts is as follows: Six honors, three to young men and three to young women, are awarded for Scholarship in each of the three general Groups as given under the Group Arrangement of Studies.

From the eighteen persons receiving these honors eight are selected to deliver Commencement parts.

1. A committee of three shall be appointed representing each group of studies, who shall present to the Faculty for consideration the names of members of the Senior Class whose rank is 85 or more in any group, and averages at least 80 in all studies.

2. In making up the rank for the assignment of honors, the work of the Freshman year shall not be counted.

3. In awarding honors in any group of studies, amount of work as well as rank shall be considered, and in deciding between candidates, preference shall be given to the one having the largest number of courses, unless the rank of one having a smaller number is higher than that of the others in any equal number of courses.

4. A student whose rank qualifies him for an honor in more than one group of studies may receive appropriate recognition of that distinction.

Administration

REGISTRATION

Sophomores, Juniors, and Seniors are required to register at the opening of the college year in September on the Wednesday or Thursday preceding the opening of classes on Friday. Freshmen are required to register on Wednesday. All students are required to register for the second semester at an appropriate time previous to the opening of classes. In every case the registration fee must be paid or arranged for before registration can be completed. Students failing to comply with the above requirements are subject to an accumulating fine and the loss of certain privileges.

REGULATIONS REGARDING ABSENCES FROM RECITATIONS

1. During each semester a student is allowed as many absences in a course as there are recitations per week in the course. Such absences are designed to make provision for temporary illness, duties toward visiting friends, dental appointments, or such other incidental occasions as the student may deem important.

2. An absence on a day immediately preceding or following a recess in college work is counted as double.

3. Tardiness, unless excused by the instructor at the end of the recitation period, will be regarded as an absence.

4. Excuses for absence for work and for engagements out of town are to be secured in advance. Absences due to prolonged illness will be excused upon the presentation to the excuse officer of a statement from a reputable physician or from the physical directors.

5. The excuse officer for the young women is the Dean of Women; for the young men, the Dean of Men. A complete record of absences is kept in the Registrar's office and is open to inspection during office hours.

6. For each unexcused absence in a course beyond the allowance specified, five points are deducted from the final rank of the course involved.

EXAMINATIONS

Written examinations are given at the close of each semester and at such other times as the instructors may determine.

RANK BILLS

These are sent to the parent or guardian of each student at the close of each semester. A student's work in a course is reported according to the following grades: A, B, C, D, E and F. A signifies a rank from 90 to 100; B, from 80 to 90; C, from 70 to 80; D, from 60 to 70; E, conditional failure; F, total failure.

STUDENT ADVISERS

At the beginning of the College year the young men of each class are divided into groups; and for each group some teacher acts as a special adviser. The attempt is made to assure to each student a true friend from whom in any perplexity or emergency he may freely ask counsel and aid. It is one of the cherished aims of the College to foster intimate and mutually helpful relations between teachers and students. At a stated time and place once a month each student reports his church attendance to his adviser.

HEALTH OF STUDENTS

The health of students is an object of constant care. Physical examinations are given each year, and suitable exercise is prescribed for each student. A nominal medical fee is charged each student, in return for which the student may freely consult the College Physician, who is daily in his office on the campus. It is hoped that by this easy access to the College Physician, illness among the students may be largely prevented. Lewiston has two of the best hospitals in New England, and these are always open at special, reasonable rates to students requiring the services of skillful physicians or surgeons.

SCHEDULE OF FEES AND CHARGES

Tuition		$125.00 per annum
Room Retainer		10.00 " "
	(See Note No. 1)	
Room Rent for Men:		
Parker Hall		$40.00 - 64.00 " "
Roger Williams Hall		56.00 - 82.00 " "
John Bertram Hall		58.00 - 70.00 " "
	(See Note No. 2)	
Board for Men		6.00 - 6.50 per week
	(See Note No. 3)	

Board and Room for Women:		
Board and Room in Rand according to location	288.00 - 297.00	per annum
Board in Rand and Room in Frye St. House	297.00	" "
Board in Rand and Room in Chase House	279.00	" "
Board in Rand and Room in Milliken or Whittier	270.00	" "
Board in Rand and Room in Cheney (See Note No. 4)	270.00	" "
Laboratory Fees:		
Chemistry 1, 2	$ 4.00	per semester
Chemistry 3, 4, 5, 6, 8, 9, 10, 11	7.50	" "
Chemistry 14, 15	10.00	" "
Bio-Chemistry	7.50	" "
Physics, Sophomores	2.00	1st "
Physics, Sophomores	4.00	2nd "
Physics, Juniors	10.00	per "
Physics, Seniors	15.00	" "
Biology	2.50	" "
Botany 1, 2	2.50	" "
Zoology 1, 3, 4	5.00	" "
Zoology 2	3.00	" "
Zoology 5, 6	7.00	" "
Zoology 7b	2.00	" "
Bacteriology	7.00	" "
Astronomy	2.00	" "
Geology	2.00	" "
Fees for Graduate Work (See Note No. 5)		
Physical Examination, Freshman Men	1.00	
Physical Examination, Gymnasium suit, shoes, Women	14.50	
Graduation Fee, Seniors (See Note No. 6)	15.00	
Chase Hall — Men's Social Building	5.00	
Health Fee	5.00	
Laundry for Men (At Cost)	About 3.00	per year
Hall Association	1.00	
Light	.08	per K.W.H.

The College will collect with the semester bills the dues of Students belonging to any of the following: Men's Athletic Association, $10.00 per year; Women's Athletic Association, $10.00; Y. M. C. A., $3.00; Y. W. C.

A., $2.00; Student Assembly, 50c; Bates Student Association, $2.50 per year; Enkuklios and Women's Student Government, $1.00 per year.

Fees for Membership in Class, and other Student Organizations, will be collected by the Treasurers thereof at the rates agreed upon by the students themselves.

SUPPLEMENTARY NOTES

1. To retain a room for the ensuing year, a deposit of $10.00 must be made on or before June 1st. This amount will be refunded to students prevented from attending, if application for its return is made before September 1st.
2. Young men who wish more detailed information about rooms are invited to write Harry W. Rowe, Bursar, Roger Williams Hall, Lewiston, Maine, who will be glad to answer inquiries and send a special booklet of room prices and regulations.
3. Male students, except those living at home, are expected to board at the College Commons. No permission to board elsewhere will be given except under definite arrangements with the Committee on the Commons. Board must be paid in advance at intervals of one week, and those who fail to meet this requirement will promptly be debarred from attendance at the Commons tables.
4. Residence on the campus is required of all young women students not living with their families, except as special permission to live elsewhere may be granted to those partially self-supporting. Most of the rooms accommodate two students. All the rooms are heated, lighted, and equipped with the heavy furniture.
5. Graduate students doing special work in laboratories or other courses, will be charged at the rate of $15.00 per course per semester, with additional charges for laboratory fee.
6. The Graduation Fee is to cover the following items connected with Commencement expenses:

Sheepskin diploma.
Two commencement dinner tickets.
Decorative lighting of campus for commencement week.
Special lights for Greek play.
All commencement music, except for Class Day.

A fair estimate of the cost of books for the average student during the Freshman year, is $40.00.

REFUND OF FEES

No student will be entitled to refunds except after presentation to the Bursar of the original receipts for payment already made. *Students should carefully preserve all receipts.* No refund will be made to any student expelled, suspended, or requested to withdraw on account of conduct or poor scholarship.

Any student who withdraws voluntarily, and in good standing, will be charged for tuition according to the following table:

From opening day of semester until two weeks	20%
Between two and four weeks	40%
Between four and six weeks	60%
Between six and eight weeks	80%

There will be no reduction of tuition for withdrawals after eight weeks. Laboratory fees and incidental charges will not be refunded. There will be no reduction for late entrance.

ROOMS FOR MEN AND WOMEN

Withdrawal from College or from residence on the Campus does not cancel the lease of a dormitory room. Whenever possible, a room given up will be re-rented, and a charge made only for that period in which the room is held in the lessee's name. Should no subsequent tenant be found, the lessee will be held responsible for the full year's rental.

BOARD FOR YOUNG WOMEN

No deductions will be made for occasional absences from meals in Rand Hall dining-room. In case of unavoidable prolonged absence, half of the amount paid for board for the time in excess of two weeks is returnable.

Buildings and Equipment

The College has nineteen buildings. These are kept in good repair and in the best sanitary condition. They are all heated by steam and lighted by electricity.

CHAPEL

What was long the most urgent need of the College, a suitable place for daily worship by Faculty and students, is at length fully met. Through the wonderful generosity of a devout Christian woman, the sum of $60,000 was in January, 1912, placed in the hands of the Treasurer of the College to ensure the erection of a worthy Chapel and the installment of an appropriate organ. To this amount $5,000 was subsequently added. The building is 125 feet in length and 55 feet in breadth. It affords seats for 900 persons, 800 upon the floor and 100 in the gallery. On exceptional occasions, such as Commencement, the seating capacity can be increased by utilizing the spacious chancel to more than one thousand. The organ, built by Hook and Hastings of Boston, is an instrument worthy of the Chapel and its sacred uses. The Chapel is of granite and is of Gothic design, after the English collegiate style. The audience room is open to the roof, thus disclosing its supporting timbers. There are four towers, two at each end in conformity to the general style of the architecture. The corner stone was laid with appropriate exercises on November 6, 1912. The Chapel was dedicated on January 7, 1914.

HATHORN HALL

Hathorn Hall, a beautiful and substantial building of three stories, contains an Assembly Room, eleven lecture rooms, and a large study and a cloak room for women students. During the summer of 1920, changes were made in the Assembly Room sufficient to meet the needs of a small theatre, and accommodate the growing interest in dramatics among the students. The stage has been enlarged, two dressing rooms have been added, modern lighting arrangements installed, and ample scenery provided. This Hall takes it name from Seth and Mary Hathorn, of Woolwich, Me., who in the early history of the institution contributed generously toward its erection.

HEDGE LABORATORY

The building of the department of Chemistry is called Hedge Laboratory, in honor of the late Isaiah H. Hedge, M.D., of Waukon, Iowa, who fur-

nished the means for its erection. It is a two-story building finely located and of attractive modern style. On the first floor of the laboratory are the chemical lecture room, with rooms adjoining for chemicals and apparatus, and a class laboratory room fitted up with tables and sinks sufficient to accommodate thirty-two students. The large laboratory room for qualitative analysis occupies the most of the second floor. It is well lighted, thoroughly ventilated, and conveniently fitted with sinks, hoods, and tables. Adjoining this room are the chemical and apparatus stock rooms. The basement is used for stock and laboratory rooms. Accommodation has thus been provided for one hundred ninety students.

The enrollment in this department is so large, however, as to render imperative the doubling of the capacity of the Laboratory at the earliest practicable date.

CARNEGIE SCIENCE HALL

In January, 1908, Mr. Andrew Carnegie made a subscription of $50,000 for the erection of a new science building. The conditions of the gift having been met, the corner stone was laid during Commencement week of 1911. The building was opened for occupancy in September, 1912, and was dedicated January 14, 1913.

Three departments of the College are provided with commodious and convenient accommodations in Carnegie Science Hall.

The most used rooms of the Biological Department are located on the first floor. The lecture and recitation room has a raised floor so that the seats at the rear of the room are two feet above those in the front row. At present the equipment includes: fifty-five iron-framed tablet arm chairs; a lecture and demonstration desk furnished with a sink, aquaria, gas and electric connections, cupboards and drawers.

Adjoining the recitation room is the department library, known as the Ira H. Bickford Biological Library of Bates College. This library was established by Mr. Bickford in June, 1911. The room is furnished with reference table, chairs, a librarian's desk, book shelving, and card catalogues. Special mention should be made of a valuable collection of ornithological works presented to the Library by Prof. J. Y. Stanton.

The laboratory for histology and general microscopy opens out of the main corridor and occupies the northwest corner of the first floor. This room is unusually well equipped with windows, and electric fixtures for artificial illumination.

Also opening out of the main corridor, and occupying the entire south-

west end of this first story, is the large general laboratory for the courses in vertebrate and invertebrate zoology.

The entire northeastern half of the third floor has been set aside for a Biological Museum. This Museum is especially fortunate in its extensive and valuable collection of ornithological specimens. In addition to the regular teaching collection, which includes representatives of nearly all the New England species, besides many from other parts of the United States, and from foreign countries, Prof. J. Y. Stanton presented his entire private collection of mounted birds and skins. This collection includes several specimens of extinct forms and many rare species.

The entire fourth floor is used as a vivarium. It is divided into rooms as follows: a large animal room, a supply room, and a room for the experimental breeding of animals and plants.

In the basement, the Biological Department has the following accommodations: a taxidermy and tool room, a supply room, and a dark room.

The second floor of the building is allotted to the Department of Physics. The lecture room is fitted with seats for fifty-five students, a stereopticon stand, a lecture table equipped with gas, water, and electricity — both alternating and direct current. The room is ventilated by the electric fan.

Adjoining the lecture room is a commodious apparatus room fitted with a large counter and wall shelves.

Adjoining the apparatus room is a large laboratory equipped with water, gas, and electricity for advanced work in Physics. This room is fitted especially for electrical work. Connected with this laboratory is a photographic dark room and a private laboratory and office for the head of the department.

At the other end of the building is a large laboratory for the elementary work in Physics, fitted with tables and wall shelves, supplied with gas and electricity for experimental work.

In the basement of the building is a dynamo room containing the main switch-board that serves both as a main feeder for the building and as an experimental board. A small shop adjoins the dynamo room, equipped with an assortment of tools for repairing apparatus.

A large Physiological laboratory in the basement is for the present used as a drafting room and contains stands for about forty-five students. This room is fitted with wall cabinets having numerous drawers and cupboards.

The recitation room for the Physiological department is upon the third floor. In location, size and equipment this room is similar to the recitation room on the first floor.

Buildings and Equipment

CORAM LIBRARY

Coram Library, dedicated in 1902 and named for Mr. Joseph A. Coram, of Lowell, Mass., who contributed twenty thousand dollars towards its erection, is one of the most beautiful and best planned buildings of its kind. Its reading, reference, seminar, and stack rooms are models of taste and convenience. The furnishings throughout are of the most approved designs for modern libraries.

The library is classified according to the Dewey system; there is a dictionary card catalogue; access to the shelves is entirely unrestricted. Attention is given to helping the students in using the catalogue, reference books and special bibliographies.

The number of volumes in the library is 48,701.

Through the generosity of Mr. Walter I. Woodman of Newton, Mass., 2,725 choice volumes from the library of the late Professor Jonathan Y. Stanton are among the most recent accessions.

The College library has been selected with special reference to the needs of the several departments. It is composed mainly of modern publications, and contains many important works of reference.

Special funds from which income for the purchase of books is derived are the following:—

The Benjamin E. Bates Library Fund, founded in 1906, by a gift of $10,000 from Mr. Clement S. Houghton of Boston. This fund was given in memory of Benjamin E. Bates, the son of the Benjamin E. Bates whose name the College bears, and himself for twelve years a devoted and efficient member of the Board of Fellows of the Institution. The income of this fund is expended in the purchase of works upon History, Economics, Sociology and Mathematics — subjects in which Mr. Bates was much interested.

The Stephen and Mary Stickney Library Fund was established in 1909 by a legacy of $7,000 from Mrs. Mary M. S. Spaulding in honor of her parents.

The French library of the late Isaac L. Rice, LL.D., numbering 1,800 volumes and thought to be the most valuable private collection of its kind in America, has been presented recently to the College by the family of Dr. Rice and has been placed in the Art Room of the Library. This room is designated as the Isaac L. Rice Room.

Considering the expense involved in purchasing books most necessary to keep the library abreast of the times, the generous aid of friends of the College is invited to the establishment of new funds.

The library is open during term time (on week days) from 9.00 A.M. to 12.10 P. M., 1.00 to 5.30 P. M., and except Saturday from 7.00 P. M. to 9.00 P. M.

LIBBEY FORUM

(The gift of the late Honorable W. Scott Libbey.) Libbey Forum has been erected to stand and is probably the most solid and substantial structure in Lewiston. It is complete in all of its appointments. Its spacious corridors, its convenient cloak and toilet rooms, its arrangements for heat and light, and its furnishings, are all in complete harmony with the general design; and the result is an ideal home for the Societies that have long been one of the most unique and attractive features of Bates. It was dedicated on October 1st, 1909, and is now regularly occupied by the organizations for the benefit of which it was erected. The building occupies the large lot on the northern side of Mountain Avenue at its junction with College Street. The completion of this hall made available for important uses of the College the rooms that have been occupied for society purposes in Hathorn Hall and Parker Hall.

CHENEY HOUSE

Cheney House, a spacious and attractive two-story building originally erected for the President's residence, has since 1895 served as a dormitory for women students.

PARKER HALL

Parker Hall affords accommodations for about one hundred young men. It has recently been renovated and modernized. The floors throughout are of hard wood. The rooms are arranged in suites, each consisting of a study and a bedroom. A commodious and tastefully furnished reception room, ample shower baths and other sanitary arrangements, and convenient and tasteful student apartments, render this hall one of the most homelike and satisfactory college dormitories in New England. The baseball cage in the basement affords uninterrupted opportunities for practice in the winter and in stormy weather. Parker Hall bears the name of the late Judge Parker of Farmington, one of the chief contributors for this, the second building erected upon the Campus.

ROGER WILLIAMS HALL

Roger Williams Hall is an attractive and commodious three-story brick

building erected by the late Lewis W. Anthony, Esq., of Providence, R. I. This hall, formerly devoted to the needs of Cobb Divinity School, is now used for College purposes. The first floor provides administrative offices for the President and his Secretary, the Dean of Men, the Dean of Women, the Bursar, and the Registrar; faculty meetings are held in the large room formerly used as an assembly room. The other floors are used for dormitory purposes. The student suites in this building are unusually tasteful and convenient. They accommodate between forty and fifty young men.

A fund of $5,000 has been given by Dr. Alfred W. Anthony and Miss Kate J. Anthony for the permanent upkeep of this building.

JOHN BERTRAM HALL

John Bartram Hall is the large three-story brick building that for thirteen years was used by the departments of Biology and Physics. The completion in 1912 of Carnegie Hall left it available for dormitory purposes and it was then thoroughly renovated and in large part reconstructed. Its spacious, convenient and attractive suites of rooms afford ample accommodations for from forty to fifty students. Most of these suites are occupied by young men of the Freshman class, thus meeting an urgent need. Heated by steam, lighted by electricity, provided with shower baths and the most approved plumbing arrangements, it is one of our most satisfactory dormitories. On the first floor is a tasteful reception room with a piano and other appropriate furniture. On the wall opposite the entrance hangs a picture of John Bertram — a man whose character and career exemplify the best in Christian manhood. In the basement are the kitchen and store rooms and a convenient, spacious and well appointed dining room that serves as a "Commons" for more than two hundred young men. Through the generosity of a friend of Bates all the suites for students have been suitably furnished. The gift in January, 1913, by Mrs. David P. Kimball of Boston, of $10,000 in memory of her father, Captain John Bertram of Salem, Mass., brought to the young men of the College facilities long needed and highly prized.

RAND HALL

Rand Hall, completed in 1905 for the women of the College, is a beautiful three-story building one hundred and twenty feet in length by forty-three in breadth.

By action of the Trustees at their annual meeting in June, 1908, this

building was named Rand Hall in memory of Professor John Holmes Rand and his untiring efforts to assure a true college home to the women of Bates. It contains a large, well-equipped gymnasium, reception room for student social gatherings, rooms for the Dean and for the Instructor in Household Economy, and for sixty young women, together with laundries, kitchens, dining-room, and all the appointments of a first-class women's hall. During the summer of 1921, the dining-room was enlarged sufficiently to accommodate all the young women in college.

MILLIKEN HOUSE AND WHITTIER HOUSE

The Milliken House and the Whittier House, through the generous consideration of Hon. C. A. Milliken, are now the property of the College. With Cheney House, Rand Hall, Frye Street House, and Chase House, they afford ample accommodations for the young women of the College.

FRYE STREET HOUSE

Frye Street House, until recently the private residence of Mr. E. A. Whittier, has been purchased to provide for the 25 young women for whose accommodation it had been found necessary to make provision. It is a beautiful, convenient building with all the modern conveniences and admirably adapted to its purpose.

CHASE HOUSE

The home of the late President Chase has been purchased by the College and remodeled so as to furnish comfortable accommodations for fifteen young women.

PRESIDENT'S HOUSE

The private residence of the late J. Frank Boothby has been purchased by the College, largely remodeled, and is used as the President's House.

CHASE HALL

Chase Hall, the men's social building, dedicated in the fall of 1919, is one of the finest buildings in the country. In many respects it is the latest word in this type of building. The architects were very happy in securing not only a useful structure but also one that is artistic in every respect. It is made of dark brick, with many gables, so that the view of it from a

distance gives a very pleasing effect. The upper floor, with its tinted walls, dark brown finish,—the main floor with the plain dark brick set in black mortar, with a very dark wood finish, and brick and cement walls of the lower floor or social room, give not only an impression of permanence but also of beauty.

Contained within the edifice are very ample social facilities for all the men of the institution; bowling alleys, pocket billiards, billiards, and small games. In addition there is a finely appointed reading room, a writing room, a large lounging or club room with victrola, piano, music, books and magazines. There are offices for the Athletic Association, Alumni Council, the Y. M. C. A., gathering places for the men's societies, halls for small lectures and meetings, a room for committee meetings and conferences, a ladies' reception room, a kitchen, and full equipment for stereopticon and moving picture work. Here also is to be found the finely appointed college store, which serves the entire campus, and the post office for the men. Nine furnished rooms give splendid accommodations for returning alumni, visiting school boys and friends of the institution.

Chase Hall, so named in honor of the late President, George Colby Chase, stands not only as a mark of the generosity of warm-hearted friends of the college, but also as a substantial tribute to the memory and life of one who for more than fifty years gave himself in unremitting, self-denying service to the institution.

CENTRAL HEATING PLANT

The people of Maine by the unanimous action of their Legislature during the session of 1908 generously recognized the service rendered by Bates College to educational work in their State by the appropriation of $45,000 for the construction of a Central Heating Plant for the Institution. This plant was completed under the supervision of competent engineers. It materially lessens the cost of heating the College buildings and promotes at once the health, the comfort, and the convenience of their occupants. In its construction, provision has been made for extending its advantages to buildings hereafter to be erected. The entire heating system was taken up, remodeled and relaid in 1921. Important changes were also made in the Heating Plant.

GYMNASIUMS

The Men's Gymnasium, a two-story wooden structure with basement, has been a very useful building; but it should give place as soon as practi-

cable to a more capacious and substantial structure of modern design. A new gymnasium adequate for our needs would cost $250,000.00.

Subscriptions for this building are earnestly solicited. The immediate erection of a gymnasium for our young men might well engage the interest of some large-hearted, wealthy man or woman.

The Gymnasium is steam heated and equipped with the apparatus necessary for the thorough systematic training and development of the human body. This apparatus is new and of the most approved modern pattern. Also convenient bath-rooms, provided with lockers, hot and cold water, shower baths, etc.

The gymnasium for women in Rand Hall is well equipped for class drill and apparatus work and provides for indoor recreation such as basketball, volley ball, indoor baseball, etc. The room adjoining the gymnasium is suitably fitted with shower baths and lockers.

The athletic grounds for women provide for field hockey, basketball, baseball, tennis, etc.

ATHLETIC FIELD

The Garcelon Athletic Field, named in honor of the late Alonzo Garcelon, M.D., of the original governing board of the College, is considered one of the best in New England. It has a tasteful and commodious grand stand, sufficient for all present needs. The field, surrounded by a fence, has an area of seven acres. It contains a quarter-mile track, a two hundred and twenty yard straight-away, take-offs for the jumps and pole vault, a football field ,and a baseball diamond.

OUTDOOR RUNNING TRACK

The wooden track is rectangular in shape with a straight-away course of 74 yards. The width of the straight-away is ten feet. The rectangle is five feet in width with a course of twelve laps to the mile. The track is located near the Gymnasium.

TENNIS COURTS

Ten fine tennis course offer abundant opportunity for this healthful game.

Student Life

SOCIETIES AND ORGANIZATIONS

Bates has no secret societies. But the various interests of a wholesome student life are sustained and promoted by means of appropriate organizations — both for young men and for the young women.

Three societies for the study of current events, and of literary masterpieces, and for the practice of parliamentary law are maintained by the young women. Those Seniors whose rank in English has not fallen below a certain per cent are members of Seniority; Juniors and Sophomores compose Alethea; Entre Nous is open to all Freshman women.

All young women of the College are eligible to membership in Enkuklios; this club holds occasional socials, and once during the year gives a formal reception.

The Spofford Literary Club, composed of both young men and young women, by its name and purpose constitutes a choice tribute to the memory of the lamented Professor Spofford.

The Jordan Scientific Society, recently organized, takes its name in honor of Dr. L. G. Jordan, Head of the Department of Chemistry. Its members are young men who find themselves eagerly interested in Science.

The Politics Club, organized in 1912, is composed of young men from the Junior and Senior Classes who are interested in the science of politics and government. The programs of the meetings are in charge either of the regular members, or of invited guests who address the Club on appropriate subjects. The Club is a member of the Inter-Collegiate Civic League.

The Phil-Hellenic Club is a new society for students interested in Greek literature, life and customs. Its purpose is a more thorough and personal appreciation of these matters than is afforded by curriculum courses. The Club meets monthly, and very interesting and instructive articles have been contributed on such subjects as "Athenian Life," "Religious Views of Æschylus," and "Recent Discoveries in Crete."

Le Cercle Francaise serves a like purpose for students of French. Meetings are held once a week, and are conducted entirely in the French language and according to parliamentary rule. Papers relating to science, business, athletics and social life have been read at various times, always followed by a general discussion. All meetings are closed by the singing of the national anthem of France, "La Marseillaise."

The Deutscher Verein is composed of students having special interest in German life, language, and literature.

The Macfarlane Club is composed of members of the student body that

show marked ability in music. It is named for Will C. Macfarlane, Mus. D., formerly municipal organist of Portland, Maine.

The Ramsdell Scientific Society, named in honor of Professor G. E. Ramsdell, is composed of young women who are specially interested in Science.

The Bates Forum limits its membership to young men and young women who have given evidence of unusual ability in debating.

The Military Science Club devotes its time to the study of military science and history.

The Athletic Association is an organization of the men of the College for the promotion of physical training and of athletic sports.

The Women's Athletic Association is an organization of the women of the College for kindred purposes.

The young men maintain an orchestra, a Glee Club, and a Mandolin Club; and the young women, a Glee Club and a Mandolin Club.

The large College Choir, composed of both young men and young women, receives regular, careful trainir from the College Chorister.

No student organization of the Col e may incur any financial obligation, or make any contract involving netary consideration, without first obtaining the sanction of the Preside of the College, or of the proper Faculty committee under whose sup rision the organization is placed. In the event of the contemplated form ion of any such new organization, the President of the College must firs be consulted; and, if permission be granted to effect such organization, he will advise the student representatives of the particular Faculty committee under whose supervision the organization is placed.

A Bates Chapter of Delta Sigma Rho was instituted on the twenty-first day of June, 1915. All men participating in inter-collegiate forensics are eligible for membership in this organization.

At the meeting of the Council of the United Chapters of Phi Beta Kappa held in September, 1916, a charter was granted to Bates, and the Phi Beta Kappa, Gamma Chapter of Maine, was installed May 29, 1917.

In 1918, women graduates of Bates College were admitted to membership in the Association of American University Women. This Association is organized for the purpose of promoting higher standards of education. Membership in the Branches brings pleasant social relations in addition to offering opportunities for service.

RELIGIOUS LIFE

At 8.45 A.. M., six days in the week, all the students, with the Faculty,

assemble in the Chapel for reading of Scripture, prayer, and singing. A committee composed of members of the Faculty are active in promoting the religious life of the College. The women students have vesper services in Fiske Hall Sunday evenings. Occasional vesper services, open to the public, are held in the College Chapel.

The last Thursday in January is observed as the Day of Prayer for Colleges and is set apart entirely for religious meetings. A sermon to which the public are invited is preached in the Chapel at 10 A. M. Christian friends of the College are asked to remember this day. The Elizabeth Garcelon Messer Fund assures the presence of an eminent and earnest speaker.

The two Student Christian Associations — Young Men's and Young Women's — are active and flourishing. They hold weekly meetings on Wednesday evenings: the Young Men's Association in Chase Hall, at 6.45, and the Young Women's Association in the Fiske Room, Rand Hall, at 6.45. Besides student leaders — members of the faculty, pastors, visiting lecturers, and secretaries often speak at meetings arranged by the Associations. The weekly meeting, however, is but one of the many helpful activities of these Associations in the life of the College.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Association at Bates is led by a cabinet of six undergraduates, who are supervised and directed in Christian work by an employed officer, known as the General Secretary. An Advisory Board, composed of faculty members, alumni, students, and local business or professional men give oversight and counsel in all the Association activities.

The organization includes four departments, each headed by a cabinet member: Administration, Religious Education, Campus Service, and Community Church Co-operation.

The Department of Administration heads up all publicity and membership work. The routine of records, reports and office maintenance are additional duties. The Religious Education Department conducts the regular Wednesday evening meeting; it brings to the college speakers of national reputation who conduct special meetings in the interests of evangelism, missions, and Social Christianity. Active co-operation with the Student Volunteer Band is maintained. In addition, it carries on voluntary study groups led by faculty members and upper classmen.

The Campus Service Department issues a handbook of information for all students; also, it plays a large part in the coming of new students

each year. The "Y" Service Tent and automobile transportation for Freshmen were new features this year. The Saturday night entertainments are promoted by this branch of the Association. Employment is provided, in so far as work off the campus can be secured for Bates students. The Community-Church Co-operation Department plans deputations; stands ready to link together churches and students; and is working out a policy of helpfulness among immigrant races in Lewiston and vicinity.

The office of the Association is in Chase Hall. The supervision of the recreational facilities of this building is delegated to the Young Men's Christian Association.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The work of the Young Women's Christian Association is much like that of the Men's. It is officered by the young women, who in consultation with an advisory board, and under the direction of a visiting Secretary and other officers of the National Board, engage in various activities. Membership and Social Committees co-operate in welcoming the new students, correspond with them during the summer, share in the distribution of handbooks, meet them at the trains, give an afternoon reception on Mt. David the day College opens, unite with the Y. M. C. A. in a reception on the first Friday evening, and later a Hallowe'en party, and provide other informal social gatherings for the young women during the year.

The Bible Study and Missionary Committees arrange for classes during the first and second semesters respectively. The Missionary Committee also secures co-operation in the support of the worker kept in the foreign field by a group of Associations, and corresponds with various Alumnæ in the work. It supervises the observance of the week of prayer.

The Social Committee visits the Old Ladies' Home, the Children's Home, provides teachers for Sunday School classes, secures gifts for Christmas time for poor children in the city, directs the work of the Eight Weeks' Club in College, distributes flowers to the sick, aids students needing help along various lines. It co-operates with the city Christian Association in teaching classes.

The Association News Committee supplies posters and periodicals on the work of the Association and other Associations. The Town Committee is concerned with interests of the girls not residing on the Campus. A group of girls attend the Silver Bay Conference each year.

General Information

COLLEGE PUBLICATIONS

The *Bates Student* is published weekly, under the direction of Editors and Managers selected from the Junior Class. The first number was issued in January, 1873.

The *Bates Bulletin*, published every three months, gives full information respecting the progress of the College. It will be sent to any address, upon application to the registrar, for fifty cents a year.

The *Bates Alumnus*, published quarterly under the auspices of the Alumni Council, furnishes news and information of interest to Bates graduates.

GEORGE COLBY CHASE LECTURE FUND

On Commencement Day, June 28, 1906, one of the Trustees of the College announced the creation of a fund of $5,000 for the establishment of the George Colby Chase Lecture Fund for the maintenance of a permanent course of lectures to be known as the George Colby Chase Lecture Course. The College is indebted for this lecture fund to the late Honorable William Wallace Stetson, a former State Superintendent of the Public Schools of Maine. The purpose of the donor is definitely stated in the following citation from a prescribed trust agreement since executed: "Fourth, That the income of said fund shall be used exclusively for the maintenance of Lecture Courses in said College, and that no part of said income shall be used for any other purpose. Fifth, That speakers shall be selected who have done something worthy of special commendation, who have a message, and who can deliver it in such a manner as will be helpful to College students."

The far-seeing significance and substantial value of this lecture course for Bates students, thus made coeval with the life of the institution, can be better appreciated a century hence than now. This trust faithfully administered will break the isolation too often existing between the college and the world, and assure to every Bates man and Bates woman the quickening influences of great leaders in thought and achievement. Some of the lectures thus far given under the provisions of this fund have been by Rev. Lyman Abbott, D.D., Rev. Hugh Black, D.D., George W. Cable, Professor R. W. Wood of Johns Hopkins University, Rev. Charles F. Aked, D.D., Henry S. Pritchett, President of the Carnegie Foundation for the Advancement of Teaching, Hamilton Holt, Managing Editor of the *Inde-*

pendent, Edward A. Steiner, D.D., of Grinnell College, Booker T. Washington, William T. Ellis, John Nolen, Edgar M. Banks, Ph.D., Seumas MacManus, Alfred Noyes, S. S. McClure, Professor Albert B. Hart, Robert Frost, Henry van Dyke, Margaret Deland, Dr. Bruno Roselli, and Dr. Shailer Mathews.

UNIVERSITY EXTENSION

Members of the Faculty are prepared to give lectures upon subjects in Science, Literature, Philosophy, History, Economics, Education, Sociology, and Art. Particulars can be learned by correspondence with the President, or the Secretary of the Faculty.

RESOURCES

Within a few years the resources of the College have been more than trebled. This has been due in large measure to the generosity of Mr. Andrew Carnegie and of Mr. Bartlett Doe, late of San Francisco, each of whom gave $50,000 toward increasing the endowment; $60,000, also, were given by Alumni and other friends of Bates in response to a condition imposed by Mr. Carnegie. Nearly $60,000 more were added to the permanent fund by meeting the conditions of Mr. Carnegie's subscription for the science building, and by other gifts. In January, 1913, Honorable D. D. Stewart, of St. Albans, presented $50,000 in memory of his brother, the late Levi M. Stewart, Esq., ofMinneapolis, Minn. In 1918, there became available from the B. C. Jordan Forestry Foundation $126,666. The total invested funds of the College at the present time amount to about $1,107,000; and its total resources, including grounds, buildings, library, and apparatus, have a value of fully $1,500,000.

THE PUBLIC SERVICE OF BATES

To all who can prize her contributions to the intellectual and moral forces that must save our country, Bates can unhesitatingly appeal. Of her graduates about 43 per cent have become teachers, and nearly 11 per cent ministers, the latter being distributed among ten religious denominations. Within recent years Bates has made important contributions to the foreign mission field. Ninety graduates have filled positions in Universities and Colleges, and more than this number have won distinction as State, City, and District Superintendents and as Principals of Important Secondary Schools. Among the Higher Institutions to which Bates has con-

tributed teachers are Albion, Amherst, Armour Institute, Bates, Bishop, Brown University, Carleton, Colgate University, Columbia University, Connecticut Agricultural, Cooper Institute, Cornell University, Dartmouth, Delaware, Denison University, Doane, Drury, Fairmount, Grant University, Grinnell, Harvard University, Haverford, Hillsdale, Howard University, James Milliken University, Johns Hopkins University, Keuka, Knox, Lake Forest, Massachusetts Agricultural, Miami, Middlebury, Massachusetts Institute of Technology, Mt. Holyoke, Northwestern University, Norwich University, Oahu (Hawaii), Pennsylvania State, Princeton University, Pomona, Purdue University, Redfields, Reed, Shaw University, Stevens Institute of Technology, Syracuse University, Tufts, University of California, University of Colorado, University of Illinois, University of Iowa, University of Maine, University of Montana, University of Oregon, University of Utah, University of Washington, Washington State College, University of Wisconsin, Western Reserve University, William Jewell, Williams, Worcester Polytechnic Institute, Yale University, Yankton. In Authorship, on the Bench, in Legislation, in Journalism, Law, Medicine and Engineering, Bates has distinguished representatives; while nearly the entire body of her Alumni have proved themselves pure, earnest, useful citizens, ready for every good word and work, and making happier and better the communities in which they have lived. The thorough preparation that Bates gives for public speaking is shown by the honors won in the last twenty years in thirty-nine out of fifty-one inter-collegiate debates — seventeen of these with Universities. More than six hundred graduates and undergraduates have been in the service of their country on land or sea. Among them are a Major General and Chaplains, Majors, Judge Advocates, Captains, Lieutenants, Ensigns, Sergeants, and men not less patriotic in the ranks.

BATES AND THE CARNEGIE FOUNDATION

The high standards of scholarship maintained at Bates and the breadth of liberality of her administrative policy are indicated by the fact that she was admitted to the benefits of The Carnegie Foundation for the Advancement of Teaching in June, 1907. She has been characterized from the beginning of her history at once by her insistence upon Christian standards of character and conduct and by her freedom from sectarianism. Her original charter contained no denominational or creedal conditions; and the slight change from the breadth of management that had been made in 1893 was, by unanimous vote of her Trustees, removed in 1906. Her application of Christianity to life finds expression in her supreme en-

deavor to educate her students for good citizenship and for self-denying service to mankind.

REASONS FOR AIDING BATES

1. To a large number of young men and young women she offers their sole reasonable hope for obtaining a liberal education. Both the necessary and the incidental expenses are lower than at any other New England College.

2. In the number and quality of her graduate educators, Bates is not surpassed, and, perhaps not equalled, by any other College in America.

3. She has been successful in securing character as well as scholarship.

4. She is unsectarian.

5. Her location is the best possible for her usefulness. She gathers from a constituency widening every year young men and young women of small means but of great promise, some of them traveling hundreds of miles to secure from her the New England culture of heart and mind, that they may use it for the good of our entire country.

6. She took up the cause of higher education for women when it was unpopular.

7. Every dollar given to her work strengthens the forces that are shaping our Christian civilization.

8. She has but $1,107,000 for carrying on work for which most New England Colleges require more than twice that amount.

SUMMARY OF NEEDS

1. $1,000,000 as an immediate addition to the permanent fund in order to ensure the efficient maintenance of the present work, the development of existing departments, the endowment of a chair of Economics, and the increase of the salaries of teachers to a living basis. This need is painfully intensified by the startling increase in the cost of living expenses and of the general upkeep of the College. The deficit for the financial year ending May 31, 1921, will be $50,000, unless averted by contributions. This is in large measure due to conditions created by the world war and especially to the withdrawal of students to engage in patriotic service.

2. $20,000 for doubling the capacity of the present Chemical Laboratory.

3. $5,000 to pay for the furnishing of Coram Library and to secure additional appliances.

4. $50,000 as a permanent fund for the Library.
5. $150,000 for additional Scholarships for deserving students.
6. $250,000 for the erection of a new Gymnasium for the men students.
7. $100,000 for the erection and maintenance of an Astronomical Observatory and the support of its Director.
8. $10,000 for the grading and improvement of the Campus.
9. $30,000 for a student loan fund.

The total of the amounts named is about $1,500,000. We can do a valuable work while waiting for some of these needs to be met; others of them are urgent; all of them are implied in the plan of the institution, and could they be met at once, the result would justify the outlay. The enlargement of the Chemical Laboratory, the erection of a Gymnasium for the young men, the grading and improvement of the Campus, can be delayed only with serious loss to the College.

GIFTS

All departments of Bates College are under the care of the same Board of Trustees, and all gifts and bequests should be made to "The President and Trustees of Bates College." When bequests are designated for the use of a particular department, or for any other special purpose, they are limited to such purposes. But the experience of colleges shows that it is desirable to have the specific use of the income and endowments left as far as possible to be determined by the Trustees as the needs of the growing work may demand. The work of Bates College has greatly outgrown the present equipment, and there is pressing need of additional endowments, scholarships, and buildings.

FORM OF BEQUEST

I give and bequeath to The President and Trustees of Bates College, a corporation existing in Lewiston, Maine, the sum of .....
Dollars, for an endowment fund, to be called.....
Fund (or Professorship, or Scholarship.)

FORM OF ANNUITY BOND

Whereas, The sum of.....Dollars has been given to The President and Trustees of Bates College, Lewiston, Maine, by ..... of ..... upon condition that, in consideration of said gift, an annuity of..... .....Dollars be paid to the said .....during.....life;

Therefore, The President and Trustees of Bates College hereby agree to pay the said sum of.....Dollars to the order of said.....at the Treasurer's Office of said College, during the natural life of said..... commencing January first, Nineteen Hundred.....

In witness whereof The President and Trustees of Bates College have hereunto affixed their Corporate Seal and caused this bond to be signed by their President and Treasurer at Lewiston, Maine, this..... day of .....192.....

Scholarships and Beneficiary Funds

Scholarships and other Beneficiary Funds are intended only for those whose financial condition is such that assistance is necessary in securing a college education.

To receive a Scholarship or Edgecomb Aid, a student must be a candidate for a Bachelor's Degree, and must have maintained for the year preceeding the date of his application an average rank of 80%. New students to whom Beneficiary Aid may have been promised will be given a year in which to demonstrate their scholarship. To be eligible for Deferred Payment of $50.00 of the tuition, the applicant must maintain an average rank in his college studies of at least 70%.

Failure to conform to the requirements of the Beneficiary Aid granted, infraction of the college rules, suspension or probation, will automatically revoke the grant.

Deferred Tuition is a legal obligation and should be promptly paid according to the terms of the Note.

Scholarships and Edgecomb Aid are not regarded as loans, but if the recipient should return grants to the college, the money will be used for other deserving students.

The Beneficiary agrees:

1. To be economical in all expenditures.
2. To keep, and furnish when required, an accurate expense account.
3. To abstain entirely from the use of tobacco, and intoxicating drinks, both in term time and in vacations or recesses.
4. To be loyal and obedient to all college rules and regulations, whether written or oral.

Applications for aid except from new students, must be filled out on blanks furnished for the purpose and returned to the Bursar's office by June1, each year. New students will be furnished, upon application with appropriate blanks. These must be filled out and returned to the Bursar's office by October 15.

LIST OF SCHOLARSHIPS

Baldwin Scholarship. Endowed by the late B. C. Baldwin, Esq., of Lowell, Mass., in memory of his wife.

Bartlett Scholarship. Endowed by the Main Street Free Baptist Church of Lewiston, in memory of Rev. Flavel Bartlett.

Beal Scholarship. Endowed by the late Mrs. Lurenda E. Beal, in

memory of her children, Alice Beal and Parker Beal, who were graduated from Bates College in 1891.

Bean Scholarship. Three scholarships endowed by the late Cyrus E. Bean of Portland, in memory of his father, Cotton Bean of Limerick.

Bonney Scholarship. Endowed by Mrs. Harriet Cheney Bonney and Sherman G. Bonney, M.D., in memory of Calvin F. Bonney, M.D., of Manchester, N. H.

Nathaniel Bowen Scholarship. Endowed by the late Mrs. Hannah Bowen of Providence, R. I.

Herbert L. Bradford Scholarship. Endowed by his parents, Roscoe S. and Asenath J. Bradford, in memory of their son, Herbert Loring Bradford, who died in 1883 during the first term of his Freshman year at Bates, — for a deserving young man.

Bradstreet Fund. The late William W. Bradstreet, of Gardiner, Maine, established a Trust Fund of $2,000, the income of which is to be used for the benefit of deserving students, under the direction of the President of the College, and in accordance with certain conditions specified in the trust.

Bridge Scholarship. Endowed by the late Charles Bridge, Esq., of Gardiner.

William Wells Cate Scholarship. Endowed by Rev. C. E. Cate, D.D., of Providence, R. I., in memory of his brother.

Cheney Scholarship — For a Student From New Hampshire. Endowed by the late Hon. Person C. Cheney, A.M., of Manchester, N. H.

Clapp Scholarship. Endowed by the late Lucious Clapp, Esq., of Randolph, Mass.

Class of 1877 Scholarship. Endowed by the Class of 1877.

Class of 1887 Scholarship. Endowed by the Class of 1887, descendants of members of the Class to have the preference, when possible, in the benefits from the Scholarship.

Clements Scholarship. Endowed by the late Rev. Tisdale D. Clements of Lewiston.

Cobb Scholarship. Endowed by the late Hon. C. C. Cobb of Lewiston, in memory of his son, Rev. Frank Woodbury Cobb, A.M., Class of 1873.

Coe Scholarship. A scholarship of $3,000, endowed by Thomas Upham Coe of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of his course, have been the most meritorious. The award is made at the close of the Junior year.

Washington Lafayette Cooper Scholarship. Endowed by Mrs.

Sarah D. Cooper of New York, in memory of her husband.

Silas Curtis Scholarship. Endowed by the late Rev. Silas Curtis of Concord, N. H.

Dudley Scholarship. Endowed by the late Alvin D. Dudley, Esq., of Haverhill, Mass.

Dyer Scholarship.....Endowed for the benefit of some student preparing for the Christian Ministry, by the late Mrs. Irene M. Higgins, in memory of her parents, Mr. and Mrs. Jonah Dyer of Cape Elizabeth.

Eaton Scholarship. Endowed by Mrs. Oliver H. Durrell of Cambridge, Mass., in memory of her father, Rev. Ebenezer G. Eaton of Lewiston.

Ellis Scholarship. Endowed by the late Miss M. A. Wales of Boston, Mass., in memory of her pastor, Rev. Rufus Ellis, D.D.

Grenville Pike Emery Scholarship. Endowed by Grenville C. Emery, Bates '68, in memory of his son, for the benefit of a worthy young man.

Mary Rhoda Emery Scholarship. Endowed by the late Mrs. Ella Rhoda Emery, in memory of her daughter, for the benefit of a deserving woman student.

Dana Estes Scholarship. A permanent scholarship of $2,500, endowed by the late Dana Estes, A.M., of Boston, the income to be awarded annually to some needy and deserving student.

Fiske Scholarship. Endowed by the late Elizabeth S. Fiske of Boston, Mass.

Henrietta G. Fitz Scholarship. A scholarship of $1,500, endowed by Mrs. Henrietta G. Fitz of Boston, the income to be awarded annually to some worthy graduate of Proctor Academy, Andover, N. H.

Frye Scholarship. Endowed by the late Hon. Wm. P. Frye, LL.D., of Lewiston.

Albina Elizabeth Goodspeed Scholarship. Endowed by Jessie L. Goodspeed, Gertrude C. Goodspeed, and Henry S. Goodspeed, of the city of New York, in memory of their mother — preference in awarding the scholarship to be given to a woman student.

Sarah C. Gower Scholarship. A scholarship of $2,000, endowed by the late Sarah C. Gower of Auburn, Maine.

Cyrus Greely Fund. From the estate of the late Cyrus Greely, the College has received $10,000, the principal of said sum to be safely invested and to be known as the Cyrus Greely Fund, and the income thereof to be appropriated annually for the benefit of deserving students of Bates College, preferance being given to students from Lewiston.

Harmon Scholarship. Endowed by the late Ivory W. Harmon of Newton Center, Mass., in memory of his son, Wallace Ivory Harmon.

Lovina Haines Haskell Scholarship. Endowed by the late Edwin B. Haskell of Boston, Mass.

Herrick Scholarship. Endowed by the late Katherine Gardiner Herrick and H. Adeliza Herrick of Lewiston, in memory of their parents, Samuel and Phebe H. Herrick, late of Northport, Maine.

John P. Hilton Scholarship. Endowed by the late Mrs. Mary Hilton, of Cambridge, Mass., in memory of her husband.

Helen Hinkley Scholarship. Endowed by the late Miss Helen Hinkley of Augusta, Maine, the preference, when possible, to be given some student from the Free Baptist Church in Augusta.

Hopkins Scholarship. Endowed by the late Augustus Hopkins, Esq., of Gardiner, Maine, preference to be given worthy students from Gardiner.

Henry Wilder Hopkins Scholarship. By the will of Henry Wilder Hopkins, '88, the college will have a new fund of $5,000 for scholarships.

Houghton Scholarship. Endowed by the late Rev. Alphonzo L. Houghton, A.M., of Lawrence, Mass., Class of 1870.

The Charles L. Hunt Scholarship. Endowed by the late Charles L. Hunt of Gleasondale, Mass., Bates '72.

Jordan Scholarship. Endowed by Merrill Page and Emily Deering Jordan, in honor of Rev. Zachariah and Sabrina Page Jordan.

E. S. Jordan Scholarship. Endowed by the late Mrs. Clara Stanton Jordan, in memory of her husband.

David and Thankful Jordan Scholarship. Endowed by their children.

John Bartlett Kezar Scholarship. A scholarship of $2,000, endowed by Mrs. Nancy M. H. Kezar of San Francisco, in memory of her son. In awarding this scholarship, preference is to be given to a deserving student from Turner, Maine.

The Knowlton Scholarships. The late Hon. Hiram Knowlton of Portland, Maine, deposited with the Treasurer of the College, $3,000, the income of which sum is to be used, when under the stipulated conditions it shall become available, for the maintenance of the following scholarships:

William and Mary Knowlton Scholarship. To perpetuate the names of his parents.

Sabrina Wood Knowlton Scholarship. To perpetuate the name of his wife.

William James Knowlton Scholarship. To perpetuate the name of his son.

Scholarships and Beneficiary Funds

Lewis Scholarship. Endowed by the late Chase Lewis, Esq., of Providence, R. I.

Maine Central Institute Scholarship. For the Freshman year Bates offers two scholarships annually, one hundred dollars each, one to a young man and one to a young women, members of the graduating class at Maine Central Institute, that have shown marked excellence in their preparatory school course.

Thomas Martin Scholarship. Endowed by the wife and children of the late Thomas Martin, for years an honored Trustee of Bates.

Mathews Scholarship. Endowed by the late John M. Mathews, Esq., of Burlington, Vt., in memory of his daughter, Orissa Frances Mathews.

Charles E. Moody Scholarship. Endowed by his sister, the late Frances S. Moody.

New Hampton Scholarship. For the Freshman year Bates offers two scholarships annually, one hundred dollars each, one to a young man and one to a young woman, members of the graduating class at New Hampton Literary Institute, that have shown marked excellence in their preparatory school course.

Nutting Scholarship. Endowed by the late Lyman Nutting, Esq., of Lebanon, Pa., in memory of his sister, Mrs. Charlotte Nutting Chadbourne.

Osgood Scholarship. Endowed by Col. Charles H. Osgood of Lewiston, and Amy Elizabeth Hunter of Carbondale, Pa., in honor of their father and mother, Harry A. and Elizabeth H. Osgood, for the benefit of some young man or woman from the State of Maine.

Osgood Scholarships for Young Women. Colonel Charles H. Osgood, a philanthropic and public spirited citizen of Lewiston, has endowed two scholarships worth $125.00 each, for young women.

Page Scholarship. Endowed by the late Peter Page, Esq., of New York City.

Perkins Scholarship. Endowed by the late Mrs. Moses W. Shapleigh of Ashland, N. H., in memory of her father, Rev. Thomas Perkins.

Clara B. Perkins Scholarship. Endowed by the late Benjamin F. Perkins, of Bristol, N. H., in memory of his daughter.

John D. Philbrick Scholarship. Endowed by the late Mrs. John D. Philbrick.

Prouty Scholarship. Endowed by Miss Annie B. Prouty, of Somersworth, N. H., in memory of her mother, Mrs. Martha A. (Legro) Prouty, to be given annually to some student, preferably a relative to the donor.

Quinnam Scholarship. Endowed by the late Mrs. James Hobbs, of Chicago, Ill., in memory of her father, Rev. Constant Quinnam.

Ramsey Scholarship. Endowed by the late Mrs. V. G. Ramsey of North Berwick, in memory of her husband, Rev. G. P. Ramsey.

Randall Scholarship. Endowed by Mrs. Abby Randall in memory of Isaac Randall, Esq., of Johnston, R. I.

Foster Lee Randall Scholarship. Endowed by the late Foster Lee Randall of Lewiston.

Redington Scholarship — For a Lady Student. Endowed by the late Hon. Asa Redington, LL.D., of Lewiston. This is supposed to be the first instance of such an appropriation in any college.

Dexter N. Richards Scholarships. Endowed by Mrs. L. M. Richards of Brookline, Mass., in memory of her husband.

Joseph S. Ricker Scholarship Fund. A fund of $10,000, the income of which is distributed in equal sums among ten deserving women students — the beneficiaries to be selected, whenever practicable, from different counties in Maine.

Rowe and Clarry Scholarships. Endowed by a bequest of Mrs. Emily H. C. Rowe, in memory of her daughter, Miss Emma F. Clarry, and affording free tuition to four young women, preference to be given to worthy students from Brooks, Maine.

Ellen Byron Scruton Scholarship. Endowed by the late Ellen Byron Scruton of Lewiston.

Small Scholarship. Endowed by James T. Small, Esq., of Lewiston, in memory of his son, Everett J. Small, Class of 1889.

The Jennie R. Smith Scholarship. Five scholarships of $1,000 each, endowed by the late Hon. Oramandel Smith to perpetuate the memory of his wife.

Lucia Spring Scholarship. Five scholarships endowed by Miss Mary Isabella Corning, of East Hartford, Conn., in memory of her aunt, Miss Lucia Spring. These scholarships are primarily available for young women, but may be assigned to young men.

Stanley Scholarship. Endowed by Ezra B. Stanley of Manchester, Mass.

State Scholarships. There are ten scholarships (each yielding $50.00 annually) in the hands of the Governor; and in bestowing them, preference is given to the the children of those who have borne arms in defense of their country, and always to students who are needy and meritorious.

Stetson Scholarship. Endowed by the late Amos W. Stetson of Boston, Mass.

Mary L. Stone Scholarship. Endowed by the late James S. Stone of Boston, Mass., in memory of his wife.

Symonds Scholarship. Endowed by the Plymouth Free Baptist Church, Portland, in memory of Joseph Symonds, Esq., a deacon of the church.

Talpey Scholarship. Endowed by the late Hon. Charles W. Talpey of Farmington, N. H.

Tarbox Scholarship. Endowed by Oren Cheney Tarbox, M.D., Bates '80, in honor of his parents, Rev. Moses H and Adrianna Weymouth Tarbox. Said scholarship to be applied for the aid of any deserving student, irrespective of age, color, sex or sect, preference being given, however, to a student contemplating the Christian ministry.

Thissell Scholarship. Endowed by the late Mrs. Abby T. Deering of Portland, in memory of Hon. John Thissell of Corinth.

Ward Scholarship. Endowed by Mrs. Mary E. Ward, in memory of her husband, Warren Ward, Esq., of Auburn.

Weber Scholarship. The Trustees under the will of the late Frederick E. Weber of Boston, Mass., have been given five thousand dollars for the maintenance of Weber Scholarships, for the benefit of needy and deserving students of Bates College. It is a condition of the gift that one-half of the income shall be added to the principal year by year; and that the remaining half only shall be used for the support of said scholarships.

Arthur Sewall Whitehouse Scholarship. Endowed by the class of 1875, in memory of their scholarly and beloved classmate, born August 25, 1853, died February 18, 1874.

Williamson Scholarship. Endowed by Elias W. Williamson, Esq., of Potters Landing, Md., in memory of his father, Rev. Stephen Williamson, of Stark.

Woodbury Scholarship. Endowed by friends of the late Charles Woodbury of Boston, for the benefit of some Methodist students.

Woodman Scholarship. Endowed by the Paige Street Free Baptist Church, Lowell, Mass., in memory of Rev. Jonathan Woodman, a former pastor of the church.

Nancy Chase Edgecomb Fund. Since the suspension in 1908 of Cobb Divinity School as a Department of Bates College and the incorporation of certain of its courses with the work of the College, there has been available "for and toward the maintenance and education" in the institution of "young men who are or who may be preparing themselves to preach the Gospel of Christ," "and who need and who may need aid," the income of the Nancy Chase Edgecomb Fund. The amount of this income is at

present about $740.00 annually. It is distributed by the Committee on Scholarships under the conditions above stated.

Student Loan Funds. From the estate of the late Mellen Bray, formerly of Newton, Mass., the College has received $4,000 to constitute "The Mellen Bray Student Loan Fund." From John W. Farwell of Boston, the College has received $2,000 to constitute "The Lorenzo Gilman Howe Student Loan Fund."

The Clark Fund is also available in special cases.

Arthur C. Clark Fund. Arthur C. Clark, '01, a loyal and devoted alumnus has started a fund to be used for assisting needy students.

The income of the above funds may be loaned at the discretion of the President of the College, to needy and worthy students.

Prizes

FIRST—FOR GENERAL SCHOLARSHIP

To a young man and to a young woman of the Junior Class, prizes of TEN DOLLARS each.

To a young man and to a young woman of the Sophomore Class, prizes of EIGHT DOLLARS each.

To a young man and to a young woman of the Freshman Class, prizes of SIX DOLLARS each.

SECOND—FOR EXCELLENCE IN PUBLIC SPEAKING

In the Second Semester—To a young man and to a young woman of the Freshman Class, prizes of TEN DOLLARS each.

In the First Semester—To a young man and to a young woman of the Sophomore Class, prizes of TEN DOLLARS each.

Senior Exhibition—By means of a fund established in June, 1911, by Judge Oren Nelson Hilton, Bates 1871, of Denver, Colorado, a prize of THIRTY DOLLARS is available for the Senior whose part shall show the greatest excellence in thought, style, and delivery.

Commencement Week—To members of the Junior Class, one prize of FORTY-FIVE DOLLARS and one prize of THIRTY DOLLARS for original parts.

THIRD—FOR EXCELLENCE IN ENGLISH COMPOSITION

In the Second Semester—To a member of the Sophomore Class, a prize of TEN DOLLARS.

FOURTH—FOR EXCELLENCE IN GREEK

At the close of the first semester a prize of TEN DOLLARS each presented by Rev. W. Bertrand Stevens, of the class of 1906, to the young man in the Freshman Class, and to the young woman in the Freshman Class, who have done the best work in Greek.

FIFTH—FOR EXCELLENCE IN LATIN

At the close of the second semester a prize of TEN DOLLARS is presented by Dr. Daniel R. Hodgdon, of the class of 1908, to the student in the Junior Class, who has done the best work in Latin.

SIXTH—FOR EXCELLENCE IN PUBLIC DEBATE

Second Semester—The Sophomore Champion Debates—Mens division; Women's division—Prizes amounting to TWENTY-FIVE DOLLARS in each section; ten dollars for the best debate, and fifteen dollars to the best team. Eight are chosen from the Sophomore Class to compete for these prizes.

Hon. F. M. Drew awards annually gold medals to men who win intercollegiate debates.

SEVENTH—THE BRYANT PRIZE

Through the generosity of Mr. W. H. H. Bryant of Boston, Mass., a prize of FIFTY DOLLARS will be awarded annually to the member of the Senior Class who shall prepare the best essay upon "Arbitration instead of War."

PRIZES FOR 1920-1921

For the past year the prizes have been awarded as follows:

For General Scholarship — Harold W. Manter, Grace P. Gould, '22; Herbert A. Carroll, Alice J. Cunningham, '23; Sherman J. Holt, Esther C. Kisk, '24.

For Public Speaking in 1921 — Freshman: William E. Young, Helen E. Murray; Sophomore: William E. Young, Helen E. Murray.

For Original Parts, 1921 — Frederica I. Ineson, David D. Thompson

For Senior Exhibition — Edward A. Morris, '21.

For English Composition — Carl E. Purinton.

For Excellence in Greek — Sherman J. Holt, Dorothy Ricker.

For Excellence in Latin — Clarence A. Forbes.

For Champion Debates, 1921 — Men's Division: Herbert A. Carroll, Theodore R. Pinckney; best individual speaker, Herbert A. Carroll; Women's Division: Vivienne A. Rogers, Mildred F. Baker; best individual speaker, Vivienne A. Rogers.

The Bryant Prize 1921 —

The Coe Scholarship, 1921 (see p. 108 — Clarence A. Forbes.

In the Intercollegiate Debate with Yale University (in 1920) the winning team consisted of Charles M. Starbird, '21, Robert B. Watts, '22, William E. Young, '24. In the Intercollegiate Debate with Harvard University (in 1921) the winning team consisted of Edward A. Morris, '21, Aurie I. Johnson, '22, Robert B. Watts, '22. In the International Debate with Oxford University, England (June, 1921) the losing team consisted of Edward A. Morris, '21, Charles M. Starbird, '21, Robert B. Watts, '22.

Prizes

In the Intercollegiate Debate with Yale University (in 1921) the winning team consisted of John W. Ashton, '22, Robert B. Watts, '22, William E. Young, '24.

For special proficiency in the work of any department a student may receive an honorary appointment as assistant in that work. Such appointments for the present year are as follows: Argumentation, John W. Ashton, Nellie K. Milliken, Robert B. Watts; Biology, Elwood F. Ireland, Harold W. Manter, Edward F. Roberts; Chemistry, William O. Bailey, Frank A. Buote, Rodolphe A. Gagnon, Edward W. Hilbourne, Jr., Fred A. Huntress, Harold B. Whiting; English, Eleanor R. Bradford, Herbert A. Carroll, David D. Thompson; French, Frances L. Minot, Harold E. Vayo; Geology, John W. Ashton, Grace P. Gould, Aurie I. Johnson, Laurence D. Kimball, Izetta E. Lidstone; German, Clarence A. Forbes; Latin, Clarence A. Forbes; Mathematics, Grace H. Luce, Robert G. Wade, David M. Wiley; Public Speaking, Raymond B. Buker, Dorothea Davis, Gladys I. Dearing, James W. Kennelly, Alexander E. Mansour, Lola V. Mitchell, Russell P. Taylor, Harry C. McKenney; Physics, Llewellyn A. Burgess, Carl P. Rounds.

The staff of the *Bates Student* for 1922 is as follows: Editor-in-chief, Carl E. Purinton; Managing Editor, Herbert A. Carroll; News Editor, Harold C. Burdon; Athletic Editor, James W. Kennelly; Women's Editor, Dorothy K. Wheet; Debating Editor, Walter V. Gavigan; Associate Editors, 1923, Hazel M. Monteith, Nellie W. Milliken, Theodore R. Pinckney, Robert G. Wade; 1924, Samuel M. Graves, Edward W. Raye, George D. Turner; 1925, Elsie F. Brickett, Florence L. Cook, John F. O'Connor, Dudley F. Snowman, George C. Sheldon; Business Department: Business Manager, Harold L. Bradford; Advertising Manager, Neil R. Conant; Circulating Manager, Fred C. Noyes; Assistant Managers, Wallace W. Fairbanks, Richard L. Waddell.

Students

SENIORS

Name	Residence	Room
Allen, Clarence Everett	Holbrook, Mass.	R. W. H.
Armstrong, Marguerite Stanley	Lancaster, N. H.	R. H.
Ashton, John William	Lewiston	82 Webster St.
Bailey, William Oscar	Auburn	19 Dexter Ave., Auburn
Blackmer, Mavorette Evelyn	Erving, Mass.	R. H.
Bradford, Eleanore Rae	Buckland, Mass.	C. H.
Bryant, Homer Chenery	Portland	R. W. H.
Buker, Raymond Bates	Hampton, N. H.	204 College St.
Buote, Frank Albert	Roxbury	P H.
Burgess, Alosco Manser	Auburn	19 Drummond St., Auburn
Burgess, Llewllyn Allinson	Worcester, Mass.	R. W. H.
Carpenter, Roland Joy	Patten	P. H.
Cary, Mildred Methyl	Brockton, Mass.	R. H.
Chamberlain, Frank Edward	Lisbon Falls	P. H.
Clark, Beatrice Astrea	Laconia, N. H.	R. H.
Clifford, Earle Augustus	Winthrop	133 College St.
Coombs, Helen Amelia	Lewiston	106 Holland St.
Coombs, John Dexter	Lisbon Falls	P H.
Crockett, David	Freeport	P. H.
Cullens, Ruth	Foxboro, Mass.	R. H.
Davis, Dorothea	Rochester, N. H.	R. H.
Dearing, Gladys Inez	South Portland	R. H.
Drake, John Francis	Lewiston	P. H.
Drew, Kathleen Gertrude	Littleton, Mass.	R. H.
Drew, Marion Agnes	Littleton, Mass.	R H.
Earle, Maurice Lester	Litchfield	P. H.
Fernald, Florence Edna	Alfred	R. H.
Fieneman, Wilhelmina Anna	Farmington, Conn.	R. H.
Forbes, Clarence Allen	Colebrook, N. H.	R. W. H.
French, Carl Gardner	Everett, Mass.	P. H.
Frost, Florence Afton	Lewiston	82 Horton St.
Fullerton, Alice Thelma	Ellsworth	R. H.
George, Grace Monroe	Manchester, N. H.	10 Riverside St.

Goding, Lucille Addie	Lewiston	R. H.
Gould, Grace Palmer	Lynder Center, Vt.	C. H.
Hanscom, Kathryn	Bethel	R. H.
Hanson, Rutherford	Gorham	R. H.
Hayes, Georgiana Colby	Gorham	R. H.
Hayward, Maude Irma	Millbury, Mass.	R. H.
Herling, Lilli Ella	Lewiston	89 King St.
Holt, Dorothy	Nutley, N. J.	R. H.
Hooper, Doris Eloise	Gorham	C. H.
Ineson, Frederica Ilsley	South Freeport	R H.
Ireland, Elwood Fremont	Lewiston	26 Mountain Ave.
Jackson, Cleora Marguerite	Auburn	144 Spring St., Auburn
Jenkins, William Gurney	Hartford, Conn.	P. H.
Johnson, Aurie Ivan	Syracuse, N. Y.	P. H.
Judkins, Dorothy Albina	Lisbon	R. H.
Kassay, John Janvari	Lisbon Falls	J B. H.
Kimball, Lawrence Dustin	Bethel	R. W. H.
Knight, Rosalia Edgecomb	Turner Center	R. H.
Libby, Dwight Evileth	West Poland	R. W. H.
Lidstone, Izetta Elizabeth	Patten	R. H.
Little, Mary Elizabeth	Carlisle, Mass.	R. H.
Longley, Dorris Sibley	Norway	R. H.
Luce, Grace Hazel	Hallowell	R. H.
Luce, LeRoy Clark	North New Portland	P. H.
McKenney, Harry Clifton	Gardiner	P. H.
MacLean, Earle Charles	Everett, Mass.	P. H.
Manser, Doris Ella	Auburn	115 Spring St., Auburn
Mansour, Alexander Elias	Charleston, W. Va.	P. H.
Manter, Harold Winfred	Anson	J B. H.
Minot, Frances Lydia	Belgrade	R. H.
Mitchell, Lola Velma	Sabattus	C H.
Mixer, Martha Virginia	Norway	R. H.
Monahon, Clifford Philip	Cumberland Center	R. W. H.
Naiman, George Jack	Gardiner	P. H.
O'Brien, Katherine Elizabeth	Portland	R. H.
Parsons, Alice Ruth	Gardiner	R. H.
Perkins, Clifton Todd	Dover, N. H.	R. W. H.
Perry, Elva May	Norway	C. H.

Richardson, Helen Hildred	Sabattus	C. H.
Ross, Norman Ernest	Biddeford	Ch. H.
Rounds, Carl Pulsifer	Lewiston	P. H.
Smith, Delora Alpen	Livermore Falls	452 Main St.
Starbird, Mildred Isabelle	Lewiston	392 Sabattus St.
Stevens, Philip Litchfield	Auburn	R. W. H.
Stickney, Edward Gatchell	North Sebago	P. H.
Stiles, Herbert Stanley	Readfield	R. W. H.
Stone, Olive Joyce	Norway	C. H.
Sullivan, Kenneth Frank	Houlton	P. H.
Sylvester, Wilfred Bancroft	Reading	P. H.
Taylor, Russell Peter	Rumford	P. H.
Thompson, Daniel	Sabattus	Sabattus
Thompson, David Bennett	Lewiston	30 White St.
Traver, Doris Evonne	Lowell, Mass.	R. H.
Waddell, Helen Annesley	Sao Paulo, Brazil	R. H.
Watts, Ralph Burnham	Portland	R. W. H.
Whiting, Harold Burton	Auburn	Park Ave., Auburn
Whittier, Bertha Kaye	East Walpole, Mass.	R. H.
Wiley, David Milton	Auburn	19 Highland Ave., Auburn
Wills, Frances Muriel	Lewiston	R. H.
Wills, Vivian Osca	Auburn	R. H.
Wimersberger, Evelyn Georgiana	Auburn	R. H.
Wyman, Margaret Gray	Cumberland Center	R. H.
Wyman, Mildred Herrick	Cumberland Center	R. H.
Yeaton, Eleanore	Auburn	153 Whitney St., Auburn

JUNIORS

Adams, Beatrice Mae	Winthrop	R. H.
Avery, Benjamin Waldo	Coopers Mills	R. W. H.
Bachelin, Jeanne Cecile	Rumford	C. H.
Baker, Esther Augusta	Kennebunkport	16 Frye St.
Baker, Mildred Frances	Randolph	C. H.
Barentzen, Theodora Rose	Augusta	137 Court St., Auburn
Bean, Herbert Romanzo	Bethel	87 Wood St.
Blaisdell, Amy Viola	York Village	R. H.

Students

Blouin, Margaret Alice	Lewiston	485 Main St.
Bradford, Harold Lawrence	Livermore Falls	P. H.
Burdon, Harold Cuthbert	Gilbertville, Mass.	R. W. H.
Burton, Helen Irene	Bangor	16 Frye St.
Carroll, Herbert Allen	Rowe, Mass.	R. W. H.
Chick, Marian Vaeiletta	Monmouth	M. H.
Clifford, Burton Kinney	South Paris	P. H.
Cottle, Alice Beulah	Lewiston	32 Sylvan Ave.
Crossland, Mary Alice Maud	Portland	R. H.
Cunningham, Alice Jane	Gardiner	C. H.
Daley, Grace Catherine	Kingston, N. H.	R. H.
Davis, John	Kennebunk	H. H.
Descoteau, Arthur Charles	Norway	P. H.
Diehl, Lester Marvin	Cresskill, N. J.	P. H.
Dunlap, Albert Atkinson	Bowdoinham	P. H.
Dunlap, Ruth Emily	Laconia, N. H.	R. H.
Earle, Marian Arlene	Litchfield	C. H.
Files, Elizabeth Hanson	East Orange, N. J.	K. H.
Gifford, Warner Tilton	Lewiston	R. W. H.
Guiney, William Edward	Biddeford	P. H.
Harriman, Helen Julia	Lewiston	12 Greene St.
Harris, Florence Alta	Monmouth	Auburn, R. F. D. 7
Hathaway, Lloyd Arnold	Bryant Pond	27 Charles St., Auburn
Hilbourne, Edward Wesley, Jr.	Cliftondale, Mass.	P. H.
Hoyt, Helen Hildred	Presque Isle	R. H.
Huntress, Fred Allston	Groveland, Mass.	P. H.
Jesseman, Alice Mary	Lisbon, N. H.	R. H.
Johnson, Aaron Coburn	Stetson	P. H.
Johnson, Ernest Benjamin	Portland	P. H.
Kelley, Thomas Francis	Gardiner	P. H.
Kennelly, James William	No. Bellingham, Mass.	P. H.
Laing, Allison	Hillsdale, N. Y.	W. H.
Laurance, Maude Adelia	Lewiston	72 Walnut St.
Leader, Ruth Bernice	Portland	R. H.
LeSieur, Pierre Eugene Oscar	Biddeford	P. H.
Lombard, Gertrude Louise	Saxton's River, Vt.	R. H.
McAllister, Valerie Flora	New Bedford, Mass.	C. H.
Mayberry, Bertha Alma	Auburn	335 Minot Ave., Auburn

Milliken, Nelly Knowlton	Augusta	R. H.
Monteith, Hazel Margaret	Rumford	R. H.
Moulton, Maynard Webster	Auburn	P. H.
Nason, Philip Stephen	Newton, N. H.	R. W. H.
Noyes, Frederick Charles	Vinalhaven	P. H.
Palmer, Harris Cory	Buckfield	J B. H.
Penny, Carl	Cliftondale, Mass.	P. H.
Pillsbury, Ella Marjorie	Limington	24 Frye St.
Plummer, Mabel Horr	South Auburn	160 Holland St.,
Purinton, Carl Everett	Lewiston	36 Mountain Ave.
Reade, John Leslie, Jr.	Lewiston	18 Wakefield St.
Roberts, Edward Freeman	Lewiston	128 Wood St.
Roberts, Elsie Louise	Kennebunk	R. H.
Robinson, Ernest Webster	Concord, N. H.	R. W. H.
Robinson, Paul	Lewiston	Webster St.
Rogers, Vivienne Iolia	Pittsfield	36 Frye St.
Simmons, Mabel Ruth	No. Stoughton, Mass.	R. H.
Sloan, Leona Mabelle	Norway	18 White St.
Small, Clarice Augusta	Ridlonville	R. H.
Spiller, Lee Russell	Wells	P. H.
Tarr, William Leonard	New Haven, Conn.	P. H.
Tillson, Stanley Clyde	Belgrade Lakes	P. H.
Walden, Marjorie Frances	Portsmouth, N. H.	R. H.
Walker, Carleton Leslie	Brewer	P. H.
Wallingford, Marcia Edna	Alfred	253 Pine St.
Weeks, John Roland	Meredith, N. H.	P. H.
Wheet, Dorothy Kempton	Westbrook	W. H.
Whiting, Norine Errol	Auburn	3 Josslyn St., Auburn
Wiggin, Mary Dorothy	North Baldwin	16 Frye St.
Wiggin, Ernest Rankin	Mexico	P. H.

SOPHOMORES

Andersen, Ester	Marlboro, N. H.	16 Frye St.
Andrews, Thomas Houston	Dorchester, Mass.	J. B. H.
Baker, Helen Eudora	Gorham	30 Orange St.
Baker, Oliver Prescott	North Anson	J. B. H.
Bannister, Nellie	Colebrook, N. H.	16 Frye St.
Barber, Ruth Frances	Randolph	36 Frye St.
Barratt, Constance Jennie	Millbury, Mass.	36 Frye St.

Students

Bartlett, Greenleaf Kenneth	Belgrade Lakes	P. H.
Bartlett, Morton Covell	Plymouth, Mass.	P. H.
Batten, Raymond James	Wakefield, Mass.	P. H.
Batten, Wilbur Marsh	Wakefield, Mass.	J. B. H.
Bergmann, Henry Max	New Haven, Conn.	P. H.
Birmingham, John Milton	Haverhill, Mass.	J. B. H.
Brenemann, LeRoy Beede	Auburn	R. W. H.
Brookings, Anne Belle	Wiscasset	9 Laurel Ave., Auburn
Brown, Catherine Arnold	Mars Hill	36 Frye St.
Bryant, Frederick Alfonzo	Page, North Dakota	211 Sabattus St.
Bryant, Louise Blanche	Lebanon, N. H.	16 Frye St.
Buchanan, Winifred Harriett	Auburn	22 Harris St., Auburn
Burt, Carleton Webber	North Attleboro, Mass.	J. B. H
Canter, Myer Bernard	Lewiston	110 Horton St.
Canty, Augustus Tallman	East Boston, Mass.	J. B. H.
Card, Estella Mabelle	Farmington, N. H.	36 Frye St.
Chaffin, Marion Elizabeth	Lewiston	102 Nichols St.
Chamberlain, Helen Farrar	Auburn	25 Parker St., Auburn
Charron, Joseph Lucian	Lewiston	173 Wood St.
Chase, Helen Sherman	Lewiston	20 Frye St.
Childs, Arline Beatrice	Lewiston	171 Oak St.
Cleaves, Chester Freeman	Alton, N. H.	P. H.
Coburn, Dorothy	Lewiston	10 Frye St.
Cogan, Joseph	Stoneham, Mass.	P. H.
Coleman, Owen	Readfield Depot	R. W. H.
Collins, Elizabeth	Lewiston	7 Mountain Ave.
Conant, Neil Rendall	Auburn	P. H.
Converse, Hazel Munyan	Putnam, Conn.	36 Frye St.
Coronios, Demosthenes James	Haverhill, Mass.	P. H.
Corson, Cynthia Grace	Auburn	51 Shepley St., Auburn
Davis, Lucille	Lisbon Falls	5 Sylvan Ave.
Day, Florence Elizabeth	Gorham	36 Frye St.
Dennison, Mary Leona	Dryden	36 Frye St.
Diggle, Edna	Lewiston	Upper College Road
Dinsmore, Norman Bonnell	Auburn	7 Grove St., Auburn

Bates College

Doe, Robert Hamilton	Franklin, Mass.	P. H.
Duncan, George Prescott	East Jeffrey, N. H.	134 College St.
Dunham, Carl Ernest	Portland	P. H.
Eldridge, Vera Louise	Amherst, Mass.	16 Frye St.
Elms, Dorothy	Auburn	19 Dennison St., Auburn
Emerson, Florence Isabelle	Auburn	22 Whitney St., Auburn
Emery, Philip Lester	Bar Harbor	P. H.
Fairbanks, Wallace Woodman	Lewiston	67 Wood St.
Fairfield, Esther Ramona	Biddeford	36 Frye St.
Faust, Herman	Needham Heights, Mass.	J. B. H.
Field, Hazel Elizabeth	Brunswick	16 Frye St.
Fifield, Louise Dorris	Augusta	16 Frye St.
Fogg, John Garner	Portland	P. H.
Gagnon, Rodolphe Alfred	Lewiston	P. H.
Gallop, Doris Elizabeth	Mexico	36 Frye St.
Gavigan, Walter Vincent	Willimantic, Conn.	J. B. H.
Genthner, Lucy Eunice	Gardiner	64 Nichols St.
Gifford, Mary Alice	Lewiston	390 College St.
Gilpatric, Clarence Elmer	Bristol, N. H.	P. H.
Gilpatric, Wesley David	Bristol, N. H.	P. H.
Glidden, Vernard Earle	Portland	J. B. H.
Gormley, John Paul	Gouvernour, N. Y.	P. H.
Gould, Ray Selden	Lewiston	18 Horton St.
Graves, Samuel Matthews	New Haven, Conn.	J. B. H.
Hall, Ellen	Rumford	30 Ware St.
Hamlin, James Betts	North Bridgton	P. H.
Hamm, Helen Lorana	Woodfords	16 Frye St.
Harmon, Elizabeth Ryerson	Worcester, Mass.	16 Frye St.
Harradon, Marcella Myrtis	Lewiston	36 Frye St.
Hebb, Grace Rolfe	Bridgton	36 Frye St.
Herrick, Horace Perry	Southwest Harbor	J. B. H.
Hilton, Linwood Benjamin	Lewiston	20 Wood St.
Hodgkins, Florence Elizabeth	Lisbon Falls	36 Frye St.
Hoit, Janice	Auburn	104 Davis Ave., Auburn
Holt, Sherman Johnson	Auburn	Auburn, R. 1
Howe, Robertine Burditt	Rumford	16 Frye St.
Huckins, Pearle Christine	Lyme Center, N. H.	C. H.

Hurley, James William	Lewiston	140 Horton St.
Hutchinson, Alberta	Auburn	24 Spring St., Auburn
Johnson, Carl Walter	Springfield, Mass.	P. H.
Jordan, Clifford Randall	Mechanic Falls	Mechanic Falls
Kempton, Rudolf Theodore	Haverhill, Mass.	P. H.
Kisk, Esther Christine	Worcester, Mass.	36 Frye St.
Lamb, Dorothy	Worcester, Mass.	16 Frye St.
Lary, Howard Noyes	West Medford, Mass.	P. H.
Leathers, Kenneth Elwood	Auburn	136 Summer St., Auburn
Leavitt, Frank Harris	South Eliot	R. W. H.
Lemaire, Florence Gertrude	Lewiston	11 Horton St.
Levine, Abraham Bernard	Wakefield, Mass.	P. H.
Libby, Paul Osland	Leicester, Mass.	P. H.
Lincoln, Mildred Elizabeth	West Leeds	36 Frye St.
Lindsey, Walter Kenneth	Jonesboro	P. H.
Littlefield, Porter Elmer	Lynn, Mass.	J. B. H.
Logan, Thelma Doris	South Portland	16 Frye St.
Luce, Wilbur Marshall	Readfield Depot	R. W. H.
Lynch, Catherine Mary Grace	Lewiston	175 Oak St.
McGinley, Frank Flint	South Paris	P. H.
McIntyre, Beulah Frances	Berwick	36 Frye St.
Manser, Marjorie Stover	Auburn	115 Spring St., Auburn
Mayo, Harold Eugene	Collinsville, Mass.	R. W. H.
Milliken, Vivian Chase	Augusta	16 Frye St.
Mitchell, James William	Stoughton, Mass.	R. W. H.
Mowry, Elsie Louise	Woonsocket, R. I.	16 Frye St.
Murray, Helen Edna	Lewiston	14 College St.
Nagakura, Kohe	Tokyo, Japan	138 Nichols St.
Nichols, Mary Ursula	Peterborough, N. H.	36 Frye St.
Norton, Earle William	Gardiner	P. H.
Partridge, Robert Manning	Andover, Mass.	P. H.
Paul, Erma Marguerite	Saco	36 Frye St.
Peaslee, Clarence Capen, Jr.	Auburn	42 Goff St., Auburn
Pinckney, Theodore Roosevelt	Washington, D. C.	P. H.
Pollister, Arthur Wagg	Danville	P H.
Pollister, Richard Ernest	Danville	P. H.
Powers, Elizabeth Turner	Machias	16 Frye St.

Prescott, Hazel Edith	Worcester, Mass.	235 College St.
Raye, Edward Wesley	Lynn, Mass.	R. W. H.
Raymond, William Briry	Bowdoinham	P. H.
Reed, Victor Errol	Harmony	164 Holland St.
Reis, Waldo Freeman	West Chelmsford, Mass.	P. H.
Rice, Elizabeth Randall	Natick, Mass.	16 Frye St.
Rice, William Henry Donald	Lewiston	74 College St.
Ricker, Dorothy	Waterboro	37 Davis St.
Ross, Donald Stanton	Charleston	P. H.
Ross, Glenn Charles	Paris	R. W. H.
Rowe, Guy Edmond	Lewiston	123 Howe St.
Sanborn, Alice Whitehouse	South China	491 Main St.
Sawyer, Phyllis Arlene	Westbrook	16 Frye St.
Scott, Arthur Burton	Gardiner	P. H.
Secord, Dorothy Sprague	Portland	16 Frye St.
Segal, Harold Samuel	Lewiston	P. H.
Shaw, Robert Stickney	Auburn	138 Wood St.
Singer, David Gabriel	Lewiston	174 Pine St.
Small, Abbie Beulah	West Scarborough	350 College St.
Smith, Geraldine Dayson	Malden, Mass.	36 Frye St.
Smith, Lester Eric, Jr.	Portland	P. H.
Stanley, Richard Jackson	Lewiston	32 Frye St.
Stephens, Mildred Ida	Auburn	155 Pleasant St., Auburn
Stickney, Norman	Auburn	36 Lake St., Auburn
Stone, Katherine Addie	Waterford	16 Frye St.
Tarbell, Karl Kenneth	Mapleton	J. B. H.
Tarbell, Willard Stevens	Mapleton	172 Wood St.
True, Alma Harriet	New Gloucester	210 College St.
Turner, George Daniel	Mapleton	J B. H.
Ulman, Nina Madeleine	Monson	36 Frye St.
Vayo, Harold Edward	Bangor	P. H.
Waddell, Richard Lord	Sao Paulo, Brazil	P. H.
Wade, Robert George	Rockland, Mass.	P. H.
Ware, Ethan Earle	Washington, D. C.	P. H.
Warren, Laura Georgia	Groveton, N. H.	129½ Wood St.
Washburn, Howard Reynolds	Portland	R. W. H.
Watson, Elmer Hazen	Norway	R. W. H.
Wilson, Eleanor Gertrude	Berlin, N. H.	36 Frye St.
Wilson, Elwin Leander	Bethel	470 Court St., Auburn

Wolynec, Paul	Lawrence, Mass.	P. H.
Young, Elton Stanley	Auburn	37 Highland Ave., Auburn
Young, Deborah Althea	York Beach	36 Frye St.
Young, William Ernest	Lewiston	48 Ash St.

FRESHMEN

Additon, Loring Ralph	Greene	P. H.
Annis, Blake Bertram	Blaine	P. H.
Archibald, Clarence Henry	Brookline, Mass.	P. H.
Arey, Leon Herbert	Vinalhaven	J. B. H.
Aspasian, John	Lynn, Mass.	P. H.
Bailey, Carroll Plummer	Auburn	19 Dexter St., Auburn
Bailey, Hamilton Reed	Cedar Grove	P. H.
Barker, Errol John	East Stoneham	P. H.
Berkeley, Gladys Harriet	East Sumner	83 Wood St.
Blake, Preston Hinds	Bradford, Mass.	P. H.
Boukis, Euterpe	Haverhill, Mass.	W. H.
Brackett, Grace Winn	Berwick	M. H.
Brickett, Elsie Furbush	Scranton, Pa.	W. H.
Brock, Mary Nutter	Waterboro	W. H.
Brown, Harriet Vardis	Portland	W. H.
Burke, Katherine Colby	Hiram	W. H.
Burns, Carroll Hopkins	Vinalhaven	J. B. H.
Burns, William Vincent	Lynn, Mass.	P. H.
Burrill, Meredith Frederick	Brewer	J. B. H.
Cailler, Diane Carmen	Lewiston	265 Blake St.
Canham, Erwin Dane	Auburn	248 Court St., Auburn
Carter, Raymond	Newfields, N. H.	P. H.
Chadbourne, Philip Henry	Auburn	R. W. H.
Chamberlin, Florence May	East Lebanon	M. H.
Chandler, Eric Byron	Andover, Mass.	P. H.
Chandler, Robert Gordon	Dorchester, Mass.	P. H.
Chapin, Josephine Miriam	Saco	226 College St.
Childs, Aletha Louise	Rangeley	W. H.
Chisholm, Clifford Vining	St. Albans	J. B. H.
Clarke, Dorothy Wight	Lewiston	159 Pine St.
Cole, Remick Shaw	Biddeford	P. H.

Conner, Charles Kenneth	Auburn	15 Weaver St., Auburn
Cook, Florence Louise	Presque Isle	M. H.
Corey, Ralph Lyons	Lewisville, N. B.	J. B. H.
Crie, Ethel Henrietta	Rockland	M. H.
Cushman, Alice Maud	Canton	118 Pine St.
Dagnino, Edmond Frederick	Wakefield, Mass.	P. H.
Daker, John	Beverley, Mass.	R. W. H.
Diehl, Charles Henry	Lewiston	84 Avon St.
Diggle, Verna Elizabeth	Lewiston	129 Bartlett St.
Dimlich, Albert Henry	Andover, Mass.	J. B. H.
Dorr, Frank Edward	Orland	R. W. H.
Dow, Lawrence Edward	Biddeford	P. H.
Downs, Daniel Franklin	Harmony	P. H.
Dubey, Philip Absalom	Brownville	J. B. H.
Dumais, Dorothy Geraldine	Lewiston	22 Bartlett St.
Dunn, George Calderwood	Biddeford	J. B. H.
Dunning, Mara Elizabeth	Topsham	M. H.
Eames, Alice Louise	Bethel	M. H.
Elliott, Grace Evelyn	Leicester, Mass.	W. H.
Elwell, Marie Annie	West Buxton	M. H.
Farnsworth, Charles Luke	Hyde Park, Mass.	P. H.
Farnum, Homer Stephen	Bryant Pond	P. H.
Fellows, Urban William	Kingston, N. H.	28 Frye St.
Field, Eunice Adnah	Brunswick	16 Frye St.
Field, Kenneth	Auburn	11 Williams St., Auburn
Fiske, Dorothy Darling	Whitefield, N. H.	W. H.
Fletcher, Cornelia Esther	Edgewood, R. I.	W. H.
Fletcher, Gerald Miranda	Dryden	P. H.
Fogg, Mary Katherine	North Gorham	W. H.
Freeman, Jennie May	Oakland	M. H.
Frew, Priscilla Elizabeth	Rumford	M. H.
Gallop, Myron Edwin	Ridlonville	P. H.
Garner, Ruth Evelyn	Kezar Falls	M. H.
Gillespie, Michael Bernard	Lewiston	116 Summer St.
Gilman, Drew Butterfield	Farmington Falls	33 Nichols St.
Goddard, Grace Fuller	Willimantic, Conn.	W. H.
Goodwin, Clyde Belmont	Lisbon Falls	P. H.
Googins, Adelbert Henry	Portland	R. W. H.

Gordon, Alice Antoinette	Haverhill, Mass.	M. H.
Gray, Lawrence Berry	Harrison	P. H.
Hall, Donald Andrew	Whitneyville, Conn.	J. B. H.
Hamilton, Ralph	Farmington, N. H.	J. B. H.
Hamilton, Willard Philip	Caribou	P. H.
Harrington, George Monroe	Willimantic, Conn.	R. W. H.
Harwood, Stella May	Norway Lake	56 Howe St.
Haskell, Norma Elna	Auburn	38 Second Ave., Auburn
Hasty, Gladys Winifred	South Berwick	M. H.
Henry, Gerald Waldron	Mexico	P. H.
Hill, Helen Elizabeth	East Brownfield	M. H.
Hinds, Raymond Palmer	Gardiner	P. H.
Hooper, Christine Mary	Biddeford	M. H.
Huntington, Holman Thomas	Mars Hill	P. H.
Ingalls, Beatrice Alma	Lubec	W. H.
Ingalls, Hazel May	Denmark	M H.
Jackson, George Francis	Lewiston	577 Main St.
Jalbert, Fernand Simard	Lewiston	75 Walnut St.
Jones, Raymond Kenneth	Auburn	563 Court St., Auburn
Jordan, Bernice Mildred	Mechanic Falls	W. H.
Jordan, Elizabeth	Auburn	91 Pleasant St., Auburn
Jordan, Emma Adelaide	Lisbon	Sabattus
Jordan, Malcolm Willison	Mechanic Falls	Mechanic Falls
Kennedy, Philip Sidney	New Brighton, S. I., N. Y.	J. B. H.
Kenny, Dana John	South Portland	190 Middle St.
Kneeland, Gertrude Lillian	East Otisfield	23 Washington St.
Kopp, Frank Edward	Northampton, Mass.	J. B. H.
Lamprinakos, Louis	Biddeford	J. B. H.
Lange, Nellie Mae	Lisbon Falls	W. H.
Lawrence, Everett Ray	Andover, Mass.	P. H.
Leahey, Gladys Julia	Lewiston	29 Pleasant St.
Leighton, Earle Methuen	Bangor	P. H.
Levine, Samuel	Wakefield, Mass.	P. H.
Lewia, Benjamin Francis	Skowhegan	P. H.
Lindsay, Evelyn Cole	East Machias	M. H.
Linton, Ralph Brooks	Bridgeport, Conn.	P. H.

Look, Hazel Ruth	Addison	145 Nichols St.
Lord, Eloise Florence	Auburn	15 Vine St., Auburn
Lovelace, Helen Maidment	Danbury, Conn.	M. H.
Lowe, Dorothy Whipple	Fitchburg, Mass.	M. H.
McCue, Eleanor Lord	Berwick	M. H.
McDonald, Douglas Simpson	Mechanic Falls	Mechanic Falls
McKenna, George Henry	Medford, Mass.	J. B. H.
McLain, Joseph Theo	Milltown	P. H.
Mahan, Margaret Whittlesey	New London, Conn.	W. H.
Markley, Collis	Andalusia, Pa .	J. B. H.
Marsh, Ruth Lucille	Gonic, N. H.	M. H.
Martin, Arthur Perry	Stoughton, Mass.	R. W. H.
Mayhew, Bernice	Vineyard Haven, Mass.	W. H.
Mennealy, Thomas Randall	Lewiston	34 Sylvan Ave.
Merrill, Kenson Dearborn	Bristol, N. H.	J. B. H.
Miller, Carl Harold	Wilton	P. H.
Miller, John Lewis	Wollaston, Mass.	J. B. H.
Miller, Erwin Edward	South Poland	58 Winter St., Auburn
Moore, Blake Carlton	Livermore Falls	P. H.
Morrell, Herbert Beaumont	Brooklyn, N. Y.	R. W. H.
Morrill, Carleton Edwin	Auburn	9 Vine St., Auburn
Moulton, Arthur Lunt	Hartland	J. B. H.
Neale, Leander Martin	Woodland	R. W. H.
Newton, Donald McLean	Newport	R. W. H.
Nutter, Ruth	Salmon Falls, N. H.	M. H.
O'Connor, John Francis	Dorchester, Mass.	J. B. H.
O'Hara, James Leo	Lewiston	205 East Ave.
Osier, Elva Ella	New Harbor	W. H.
Oxton, Ralph Keller	Thomaston	R. W. H.
Page, Margaret Edith	Derby	W. H.
Parkhurst, Evelyn Wilma	Presque Isle	W. H.
Perkins, William Charles, Jr.	Bath	P. H.
Peterson, Arvid Conrad Bernard	Springfield, Mass.	H. H.
Pierce, Marion	Auburn	104 High St., Auburn
Pray, Eleanor Frances	Somersworth, N. H.	10 Arch Ave.
Price, Ralph Frederick	Dalton, Mass.	28 Frye St.
Ramey, Alton Earle	Lubec	J B. H.

Ramsdell, Earle Howes	Greene	Greene
Rhuland, Frank Alfred	Winchendon, Mass.	P. H.
Reed, Ada Pratt	Rumford	W. H.
Richardson, Margaret Alice	Reading, Mass.	M. H.
Rowe, Franklin Dana	Lewiston	195 Webster St.
Roy, George Merrill	Ocean Park	142 Wood St.
Ryan, Lawrence Dominic	Biddeford	P H.
Sanborn, Frank Leslie	Boothbay Harbor	P. H.
Sargent, Benjamin Ricker	Wolfeboro, N. H.	R. W. H.
Scott, Roscoe Springer	Melrose Highlands, Mass.	J B. H.
Shapiro, Leah	Auburn	2 Laurel Ave., Auburn
Shaw, Perley Aaron	South Paris	21 Sylvan Ave.
Sheldon, George Crosby	Augusta	J. B. H.
Simpson, Harold Best	Richmond	J. B. H.
Simpson, James Sharples	Richmond	J. B. H.
Simpson, Lois Madalyn	Auburn	8 Coburn St., Auburn
Sims, Nathaniel Gustavus	Bluefield, W. Va.	P. H.
Small, Ellen Elizabeth	Auburn	19 Loring Ave., Auburn
Smith, John Joseph	Bar Harbor	P. H.
Smith, Robert Thomas	Ashland, N. H.	J. B. H.
Snow, Annabel Kelsey	Lewiston	54 Cottage St.
Snowman, Dudley Francis	Southington, Conn.	J. B. H.
Snyder, Harold Byron	Exeter, N. H.	J. B. H.
Stanley, Clifton Vincent	Kezar Falls	J. B. H.
Stanley, Doris Elizabeth	Kezar Falls	M. H.
Stanley, Mildred Sylvia	Kezar Falls	M. H.
Starbird, Leonard Hicks	Danville	Danville
Steady, Karl Alfred	Berlin, N. H.	R. W. H.
Stevens, Harold Sherburne	Reading, Mass.	P. H.
Stevens, Willard Jesse	Gossville, N. H.	R W. H.
Swanson, Alice Theresa Hildegard	Thomaston, Conn.	198 College St.
Testa, Victor Emmanuel	Lewiston	154 Central Ave.
Thompson, Rose Emma	Addison	10 Hammond St.
Tierney, Thomas Joseph	Worcester, Mass.	P. H.
Tierney, William Henry	Biddeford	J B. H.

Tingley, Philip Drew	Houlton	R. W. H.
Torrey, Marcus Allen	Winter Harbor	P. H.
Tucker, Fannie Merrill	Farmington	W. H.
Twombley, Arthur Shapleigh	Eliot	J B. H.
Walker, Alice Leslie	Canton	M. H.
Walker, Chester William	Upton, Mass.	J. B. H.
Walker, Jay Augustus	Lisbon	J. B. H.
Walton, Lewis Edgecomb	Whitman, Mass.	40 Spring St. Auburn
Warren, Avis Elizabeth	Buckfield	W. H.
Wass, Ruth Letitia	Brunswick	M. H.
Weare, Helen Winthrop	Woodsville, N. H.	60 Howe St.
Wells, Caroline Rebecca	West Andover, N. H.	W. H.
Wells, Lucy Martha	West Andover, N. H.	W. H.
Wheeler, Stanley Percy	Litchfield	147 Holland St.
Wills, Russell Garner	Lewiston	166 Blake St.
Wilson, Kenneth Michael	Pyretes, N. Y.	P. H.
Wilson, Melville	Cumberland Center	P H.
Wilson, Oramandel Smith	Orr's Island	P. H.
Wilson, Stanley Ervin	Cumberland Center	P H.
Woodcock, Edmund Greenwood	Newtonville, Mass.	P. H.
Woodcock, Rubie Christine	Thomaston	M. H.
Woodman, Charles Everett	Auburn	57 Western Ave. Auburn
Woodman, Heman Arthur	Auburn	57 Western Ave. Auburn
Yeh, George Tsung Tse	Washington, D. C.	J. B. H.

SPECIALS

Baker, Kirby Simmons	Springfield, Mass.	P. H.
Bernard, Sylvian Joseph	Rumford	P. H.
Bragg, Raymond Bennett	Worcester, Mass.	J. B. H.
Cross, Joseph Ralph	East Milton, Mass.	P. H.
Crowe, Walter Reid	Norridgewock	J B. H.
Dupee, Harry Augustus	Bridgeport, Conn.	R. W. H.
Farley, Arthur Harris	Lynn, Mass.	P. H.
Freelove, Alvin Whittier	North Bridgton	J B. H.
Hagberg, Clifford Ludwig	Worcester, Mass.	J. B. H.
Inouye, Fujio	Seattle, Wash.	R. W. H.

Libby, Raymond Bertram	Gardiner	P. H.
Loo, Kwai Phat	Honolulu, Hawaii	R. W. H.
Lord, Charles Guy	Casco	J. B. H.
Martin, Clyde Parkman	St. Albans	J. B. H.
Mitchell, Emery	Lewiston	8 Abbott St.
Morrill, Carlton Reed	Orr's Island	P H.
Rich, Henry Alexander	Boston, Mass.	P. H.
Rutsky, Julius	East Boston, Mass.	J. B. H.
Sanella, Frank	Worcester, Mass.	J. B. H.
Seifert, Erwin Anthony	Dorchester, Mass.	P. H.
Thurlow, David Saunders	Skowhegan	P H.
Woodman, Harold	Auburn	63 School St., Auburn

SUMMARY

Seniors	97
Juniors	76
Sophomores	159
Freshmen	201
Special Students	22
	555
Summer Session	126
	681

H. H.—Hathorn Hall
R. W. H.—Roger Williams Hall
P. H.—Parker Hall
J. B. H.—John Bertram Hall
R. H.—Rand Hall
C. H.—Cheney House
M. H.—Milliken House
W. H.—Whittier House
Ch. H.—Chase Hall

Summer Session

The third Summer Session of Bates College was held from July 5 to August 5, 1921. The primary aim is to furnish practical and up-to-date courses for teachers-in-service, and results have amply justified the unique policy of confining the work to the secondary school field, with particular stress upon the junior high school movement. Courses were conducted in eleven departments: Education, English, French, History and Government, Latin, Mathematics, Music, Physical Education, Public Speaking, Science, and Spanish. The summer courses are especially adapted to:

1. School superintendents, secondary school principals, supervisors, and other school officers.
2. Teachers who desire to fit themselves for service in junior high schools.
3. Teachers in junior and senior high schools or grammar schools, who wish to pursue advanced study in their own subjects or gain a better equipment for teaching by taking up other branches.
4. Teachers and students interested in securing academic credit toward either the Bachelor's or the Master's degree.

The corps of instructors was comprised of fifteen specialists. Four were members of the regular College faculty, and the others came from various educational centers, including New Haven, Conn., Indianapolis, Ind., Cincinnati, O., Springfield, Mass., Boston and New York City.

There was a registration of 126 students — an increase of about 18% over the preceding year. More than 95% of those in attendance were experienced high school teachers, principals, or superintendents. Thirty-three were normal school graduates, 57 were college graduates, and of the remaining 36 a large proportion had completed one or two years of college work. Ten political divisions other than Maine were represented.

The Summer Session of 1922 will probably be held July 11 to August 11. It is likely that new departments will be added, together with new courses in departments already included. Definite information will be obtainable by March 1. Inquiries should be addressed to Director of Summer Session, Bates College, Lewiston, Maine.

SUMMER SESSION STUDENTS

1921

Allen, Lila J.	Lewiston
Allen, Ruth O.	Rye, N. H.
Alley, Jessie W., A.B.	Auburn

Bailey, Annie E., A.B.	Farmington
Bangs, Carrie C.	Lubec
Barron, Julia H., A.B.	Newport, N. H.
Beal, M. Beulah	Jacksonville, Fla.
Beard, Geo. H., A.B.	Acworth, N. H.
Bennett, H. Arnold, A.B.	Saybrook, Conn.
Bessey, Elwood G., A.B.	Portland
Bonney, Clinton H., A.M.	Passaic, N. J.
Bowman, Irene M., A.B.	Marlboro, N. H.
Brown, Clarence H., A.B.	North Woodbury, Conn.
Bunker, Sara I.	Canaan, Conn.
Call, Elizabeth A., A.M.	Gardiner
Canham, Harriet, A.B.	Thomaston
Capen, Ruth, A.B.	Newburyport, Mass.
Carson, Jane A.	Readfield
Chapman, Clara A., A.B.	North Andover, Mass.
Clark, Winifred A. M.	Hartland, N. B.
Clement, Rufus W.	Plainfield, N. J.
Clough, Mrs. Ruth L.	Bridgton
Conner, Ruth H., A.B.	Colchester, Conn.
Cook, S. Everett, A.B.	Springfield, Mass.
Cunningham, Franklin S., B.S.	Mapleton
Curtis, Abbie P.	Auburn
Dakin, Mrs. Stella G.	New Sharon
Day, Florence A., A.B.	Augusta
Day, Marian D.	Beverly, Mass.
Dennis, E. Bessie, A.B.	Bangor
Doyle, John H.	North Brookfield, Mass.
Dunnells, Marion C., A.B.	Augusta
Eaton, Blythe M.	Meredith, N. H.
Emerson, Lelia E.	Buck's Harbor
Ervine, Annie M.	Bangor
Farnham, Arloene, A.B.	Bath
Fillmore, Annie M.	Thomaston
Fogg, Mildred A.	Old Orchard
Garland, O. Raymond, B.S.	Brookfield, Mass.
Gerry, H. Lester, A.M., Ed.M.	Cambridge, Mass.
Gilbert, Mabel	Atlantic City, N. J.
Giffin, Edith M.	Lewiston
Gillmore, Roy W., A.B.	New Hampton, N. H.
Goodwin, Louis R.	York Village

Goudy, Mildred I., A.B.	Middleboro, Mass.
Gould, Clarence N., B.S.	Hingham, Mass.
Gould, Lillian I.	Farmington
Gowling, Mrs. Eleanor S.	Dover Plains, N. Y.
Grant, Charles H., A.B.	Hermon
Green, Josef A., B.S.	Buxton Center
Griswold, James H., B.S.	Springfield, Vt.
Ham, Elizabeth I.	Uxbridge, Mass.
Harvey, Alice M., A.B.	Woodfords
Haskell, Ada L., A.B.	Auburn
Herron, Maude	LaGrange
Hollis, Truman W.	Fairfield
Houdlette, Mrs. Jessie C.	Dresden Mills
Hounsell, Wm. B.	Bartlett, N. H.
Hoyt, Verna M.	Easton
Huskins, Maudelena S.	Auburn
Hutchins, Marion E., A.B.	Portland
Irish, Mabel M., A.B.	Buckfield
Keene, Angie E., A.B.	Waterbury, Conn.
Kelly, Howard C., A.B.	Springfield
Kirschbaum, Charles H., A.B.	Amherst, Mass.
Knapp, L. P., A.B.	South Manchester, Conn.
Knappe, Mrs. Martha E.	Mapleton
Larkum, Newton W., B.S.	Warner, N.H.
Leach, Mrs. Lucy P.	Patten
LeGacy, Albertis M.	Princeton
Leighton, Janet A., A.B.	West Springfield, Mass.
Leonard, Mary F.	Lewiston
Libbie, Carolyn M.	Woodfords
Logan, Gladys L., A.B.	South Portland
Lord, Grace A.	Belfast
Losier, Amy A., A.B.	Auburn
Lynch, Catherine G.	Lewiston
Lynch, Mary E.	Bangor
McColley, Earle S., Ph.B.	Providence, R. I.
McCreery, J. Harold, M.E.	Passaic, N. J.
McKeen, Ellis W., B.S.	Turner Centre
McNeil, Kathryn	Rumford
McPherson, Ethel L.	Calais
Manson, Mrs. Mildred E.	North Anson
Marr, Harriet W., A.B.	Springfield, Mass.

Maxwell, Marjory	Monmouth
Merrill, Neal C.	Waterville
Miller, Gertrude L., A.B.	Belmont, Mass.
Mitchell, Rose E.	Lisbon Falls
Monk, Guy M.	Bridgton
Mountaine, Helen J.	Bangor
Mower, Martha L.	Burlington, Mass.
Murphy, Daniel J.	Washington, D. C.
Norcross, Mabel E.	Ellsworth
Northrup, Christine A., A.B.	Palermo
Peabody, Agnes L.	Lewiston
Peacock, Elsie A., A.B.	Adams, Mass.
Prescott, Mrs. Maud E.	New Britain, Conn.
Prescott, Phillis G.	Waterville
Putnam, Margaret L.	Houlton
Record, Mrs. Ellen N., A.B.	Livermore Falls
Richardson, M. Edith	Lewiston
Russell, Helen E., A.B.	Hallowell
Sands, Gertrude B.	New Bedford, Mass.
Smith, Mary E., A.B.	Exeter, N. H.
Somes, Mrs. N. Irene	Mt. Desert
Spiller, Mrs. Harriet M.	Mechanic Falls
Sprague, Helen G.	Woodlands
Stephenson, Sarah F.	Mapleton
Stone, Frank G., A.B.	Pittsfield
Stone, Harold E., A.B.	Framingham, Mass.
Sullivan, Edward B. C.	Biddeford
Sylvester, Luona I.	Richmond
Tracy, Helen C., A.B.	Augusta
Varney, Charles E.	Gray
Wardwell, Leon A., A.B.	Auburn
Webber, Mrs. Ella C.	Mapleton
Webber, Elmer H., B.Pd.	Mapleton
Wellman, Anne E.	Rye, N. H.
White, E. Florence, A.B.	Manchester, N. H.
Whittum, Florence L.	Lewiston
Wickstrom, Mrs. Lois E.	Damariscotta
Wiley, David M.	Auburn
Williams, Mrs. Juanita D., A.B.	Lewiston
Wills, Carrie A.	Houlton
Woodbury, L. Catherina, A.B.	Auburn

Graduates of 1921

BACHELORS OF ARTS

Allenby, Hubert Alfonso
Bailey, Evelyn Mae
Bartlett, Mary Elizabeth
Bates, Marian Winnifred
Belmore, Carl Warren
Bernard, Romeo Armand
Blackington, Frank Henry
Bonney, Ada Claire
Bowie, Ruth Evelyn
Bowman, Vyvyan Mae Cecilia
Bradley, Ruth Alfreda
Brewster, Laura Eleanor
*Campbell, Warren Cameron
Canter, Edward Averill
Carll, Crete Muriel
Chandler, Lois Aurora
Colburn, Ruth
Connolly, Emma Marion
Cox, Cora Alice
Cutler, Minerva Eliza
Dennison, Theodora
Dion, Maurice
Doe, Caroline Mary
Dunlap, Annie Lillian
Durost, Morley Johnson
Ebner, Raymond Anthony
Edwards, Mildred Pratt
Fairweather, Ethel Muriel
Findlen, Marguerite Helen
Fisher, Esther Emily
Fisher, Ruth Katherine
Ganley, Arnold Lincoln
Gould, Barbara Pressey
Greene, Carroll Owen
Haley, Mabel Vaughn
Hall, Gladys Florence
Hall, Harry Thomas
Hamlen, Frank Henry
Haskell, Dorothy Irma
Hatch, Bernice Mildred
Hawkins, Eunice Irene
Healey, Agrandece Lacitna
Herrick, Laura Margaret
Hill, Marguerite Frances
Hodgdon, Florence Eunice
Hodgman, William Henry
Hughes, Edna Frances
Hutchinson, George Royal
Johnson, Maynard Stickney
Jones, Katherine Hunt
Jordan, Caroline Theresa
Knapp, Rachel Southwick
Libbey, Ruth
Lindquist, Florence Gertrude
Ménard, Marie Marceline
Eleanor Marguerite
Merrill, Edna Leighton
Miller, Dorothy
Morris, Edward Allen
Morrison, Isabella Fairley
Newell, Harry Severy
*Pasquale, Philip Bernard
Paul, Charles Ditchfield
Philbrook, Ernestine
Pike, Arlene Howland
Roy, Gabrielle Marie
Safford, Vera Blanche
Small, Melville Lee
Smith, Otho Francis
Spratt, Stanley Ward
Starbird, Charles Millard
Steady, Kenneth Ralph

Stiles, Ruth
Stoehr, Marie
Varney, Edward Chesley
Walker, Constance Anna
Warren, Marion Elizabeth
Webster, Millard Duston
Weymouth, Clarice Vivian
Whiting, Norma Valerio
Widber, Mildred Clark
Wiles, Loys Arthur
Yeaton, Evelyn Henrietta
Young, Karl Richard

*Degree to be conferred by the President when certain deficiencies are removed.

BACHELORS OF SCIENCE

Anderson, Winslow Samuel
Bates, Arthur Irving
Bond, Willard Francis
Bridges, Frank Lewis
Buker, Richard Steele
Case, George Asbury
Cusick, John Michael
Cutler, Felix Vining
Deane, Almon Eugene
Field, Clarence Alfred
Gross, Leroy Calderwood
Harriman, Edwin James
Harriman, Lester Boardman
Jordan, Robert
Langley, William Harold
McKinney, Roscoe Lewis
Moore, Lewis Tanner
Perkins, Leon Winthrop
Peterson, Charles Welch
Potter, Paul Barber
Rand, Carleton Hobart
Smith, Maurice Preston
Stevens, Charles Laurence
Stonier, James Edward
Tapley, Roland William
True, Howard Dexter
Wiggin, Carleton Low
Wight, Donald Gordon
Woodard, Donald Kenneth
Woodbury, Robert Isaac

Honorary Degrees

MASTER OF ARTS

CLARA LUCENA BUSWELL

DOCTORS OF LAWS

ARTHUR GRAY FOSTER, Ottawa, Ont.
ARTHUR GRAY STAPLES

DOCTOR OF DIVINITY

WILLIAM FREDERICK BOHN

Commencement Honors

IN LANGUAGE AND LITERATURE

THEODORA DENNISON
MORLEY JOHNSON DUROST
RUTH KATHERINE FISHER
FRANK HENRY HAMLEN
RACHEL SOUTHWICK KNAPP
FLORENCE GERTRUDE LINDQUIST
LOYS ARTHUR WILES

IN PHILOSOPHY

ANNIE LILLIAN DUNLAP
GLADYS FLORENCE HALL
RUTH LIBBEY
CHARLES MILLARD STARBIRD
MILLARD DUSTON WEBSTER
DONALD KENNETH WOODARD

IN SCIENCE

WINSLOW SAMUEL ANDERSON
MARY ELIZABETH BARTLETT
MARIAN WINNIFRED BATES
RUTH ALFREDA BRADLEY
MAYNARD STICKNEY JOHNSON
ROBERT JORDAN
ARLENE HOWLAND PIKE

MEMBERSHIP IN DELTA SIGMA RHO

EDWARD ALLEN MORRIS, 1921
AURIE IVAN JOHNSON, 1922

MEMBERSHIP IN PHI BETA KAPPA

1921

WINSLOW SAMUEL ANDERSON
MARY ELIZABETH BARTLETT
CRETE MURIEL CARLL
THEODORA DENNISON
GLADYS FLORENCE HALL
MAYNARD STICKNEY JOHNSON
ROBERT JORDAN
RACHEL SOUTHWICK KNAPP
FLORENCE GERTRUDE LINDQUIST
CHARLES MILLARD STARBIRD
LOYS ARTHUR WILES
DONALD KENNETH WOODARD

Directory of Alumni Associations

The Alumni Association of Bates College

[Includes all graduates]

President, George H. Smith, Ph.D., '09, 512 George St., New Haven, Conn.
First Vice-President, Harold A. Allan, '06, 6 Lombard Court, Augusta, Me.
Second Vice-President, Oliver F. Cutts, '96, 240 West Susquehanna Ave., Philadelphia, Pa.
Third Vice-President, Miss Marion S. Coan, '99, 72 High St., Auburn, Me.
Secretary-Treasurer, John L. Reade, Esq., '83, 18 Wakefield St., Lewiston, Me.
Executive Committee, Louis B. Costello, '98, 45 Campus Ave., Lewiston, Me.; Mrs. Ethel Cummings Pierce, '94, 24 Frye St., Lewiston, Me.; Miss Mabel Eaton, '10, 21 Oakland St., Auburn, Me.; Edwin W. Adams, '19, 22 Vernon St., Auburn, Me.

General Alumnæ Club

[All Alumnæ may belong]

President, Miss Elizabeth W. Gerrish, '94, The Warren, Boston 19, Mass.
Vice-President, Miss Marguerite E. Lougee, '13, 141 Nichols St., Lewiston, Me.
Vice-President, Miss Lila H. Paul, '19, 48 Highland Ave., Auburn, Me.
Recording Secretary, Miss Mabel Eaton, '10, 21 Oakland St., Auburn, Me.
Corresponding Secretary, Miss Bertha Stratton, '03, 19 Dane St., Jamaica Plain, Mass.
Treasurer, Mrs. Gladys Spear Childs, '06, Horton St., Lewiston, Me.
Auditor, Mrs. Sadie Brackett Costello, '98, 45 Campus Ave., Lewiston, Me.
Executive Committee, Miss Jessie W. Alley, '12, 26 Highland Ave., Auburn; Miss M. Aimee Ballard, '13, 3 Carroll St., Portland, Me.; Miss Beatrice Jones, '13, 100 Maple St., Bristol, Conn.
Social Committee, Mrs. Mabel Furbush Call, 118 Pine St., Lewiston; Mrs. Florence Hodgson Pendleton, 500 Main St., Lewiston; Mrs. Blanche Whittum Roberts, '99, 128 Wood St., Lewiston.

The Alumni Council

[Composed of Elected Representatives]

General Association — *President*, George H. Smith, Ph.D., '09, 512 George St., New Haven, Conn.; *Secretary*, J. L. Reade, Esq., '83, 18 Wakefield St., Lewiston, Me.

Directory of Alumni Associations

General Alumnae Association — Mrs. Elizabeth Bodge Wilson, '91, 76 Beacon St., Woodfords, Me.

Aroostook Bates Club — Miss Bessie C. H. Cooper, '04, Presque Isle, Me.

Bates Club of Boston — Miles Greenwood, '91, 84 Cottage St., Melrose, Mass.

Boston Alumni — R. B. Stanley, Esq., '97, 608 Sears Bldg., Boston, Mass.

Boston Alumnae Club — Mrs. Lillian Randlett Whitman, '11, 76 Hillsdale Road, Medford 57, Mass., or Mrs. Isabell Kincaid Lovely, '11, 3 Lupine Road, Andover, Mass.

China — Wayne C. Jordan, '06, Y. M. C. A., Wuchang, China.

The Cheney Club — Cyrus H. Little, Esq., '84, 839 Elm St., Manchester, N. H.

The College Club — Prof. Clair E. Turner, M. I. T., Cambridge, Mass.

Connecticut Valley Alumni — Miss Amy L. Weeks, '13, 414 Winthrop Ave., New Haven, Conn.

Connecticut Valley Alumnae — Miss Angie E. Keene, '09, 46 Chestnut Ave., Waterbury, Conn.

Kennebec Bates Alumni Association — Mrs. Lucy Small Clason, '01, 30 Lincoln Ave., Gardiner, Me.

Lewiston-Auburn Bates Club — James H. Carroll, Esq., '11, 215 Lisbon St., Lewiston, Me.

Mississippi Valley Association — Mrs. Julia Babcock Childs, '02, 1211 Jarvis Ave., Chicago, Ill.

New York Bates Alumni Association — Ralph A. Sturges, Esq., 60 Wall St., New York City.

New York City Alumnae Branch — Miss Marion S. Coan, 72 High St., Auburn, Me.

Northwest Alumni Association — E. A. Merrill, '86, 2854 Minnehaha Ave., S. Minneapolis, Minn.

Ocean Park Association — Miss Dora Jordan, '90, Alfred, Me.

Portland Alumnae Group — Miss Adelaide L. Briggs, '05, Deering H. S., Portland, Me.

Portland Bates Club — Raymond S. Oakes, Esq., '09, 85 Exchange St., Portland, Me.

Providence Alumnae Branch — Mrs. Frances Miller Russell, '03, 276 Benefit St., Providence, R. I.

Rhode Island Association — C. C. Spratt, '93, 95 Spring St., Woonsocket, R. I.

Springfield Association — Mrs. H. R. King, 1089 Worthington St., Springfield, Mass.

The Stanton Club — L. M. Sanborn, Esq., '92, Court House, Portland, Me.

Western New York Alumni Association — Guy V. Aldrich, Y. M. C. A., Rochester, N. Y.

Worcester Alumnae Branch — Mrs. Mary Angell Lincoln, 22 Dean St., Worcester, Mass.

Worcester County Bates Alumni Club — Mrs. Susie Watts Dexter, '02, 123 Brookline St., Worcester, Mass.

Trustees of the Loyalty Fund — Harold A. Allan, '06, (1922) 6 Lombard Court, Augusta, Me.; Raymond S. Oakes, '09, (1923) 85 Exchange St., Portland, Me.; Mrs. Ethel C. Pierce, '94, (1924) 24 Frye St., Lewiston, Me.; George H. Smith, Ph.D., '09, ex-officio, 512 George St., New Haven, Conn.; Harry W. Rowe, '12, *Secretary-Treasurer*, Chase Hall, Lewiston, Me.

Aroostook County Club

Secretary-Treasurer, Miss Bessie C. H. Cooper, '04, Box 108, Presque Isle, Me.

Bates Club of Boston

President, Guy A. Tuttle, '08, 1 Chester Road, Belmont, Mass.

Secretary-Treasurer, Robert L. Coombs, '08, 297 Forest Ave., Brockton, Mass.

Executive Committee, Ralph W. Channell, '01, 3 Walker Terrace, Cambridge, Mass.; O. C. Boothby, '96, 608 Sears Bldg., Boston; A. L. Safford, '89, 8 Middlesex Ave., Reading, Mass.

Boston Alumnæ Club

President, Mrs. Bessie Russell Foster, '04, 109 Sargent St., Newton 58, Mass.

Vice-President, Miss Grace Harlow, '10, 75 Washington St., Peabody, Mass.

Secretary-Treasurer, Miss Annie S. Marston, '11, Suite 9, 24 Prescott St., Cambridge, Mass.

Executive Committee, Miss Alice W. Collins, '95, 215 Norfolk St., Dorchester, Mass.; Mrs. Verne Blake Peakes, '13, 69 Erie Ave., Newton Highlands, Mass.

Bates College Alumni of Boston and Vicinity

President, Maurice V. Brown, D.D.S., '08, 9 Allston St., Dorchester, Mass.

Vice-President, Harry H. Lowry, '12, 1 Shirley St., Lexington, Mass.

Secretary, Miles Greenwood, '91, 84 Cottage St., Melrose, Mass.

Executive Committee, Officers, and Gardner F. Merrill, '09, 110 Warren St., Allston, Mass., and Miss Annie S. Marston, '11, Suite 9, 24 Prescott St., Cambridge, Mass.

Cheney Club

(The New Hampshire Alumni Association)

President, Charles L. Wallace, '88, 127 Silver St., Dover, N. H.

Vice-President, Fred S. Libby, '91, Henniker, N. H.

Secretary-Treasurer, Miss Helen J. Knox, '08, 722 Pine St., Manchester, N. H.

The College Club

President, Prof. F. E. Pomeroy, '99, 342 College St., Lewiston, Me.

Vice-President, Clarence P. Quimby, '10, 14 Sewall St., Augusta, Me.

Secretary-Treasurer, Wm. F. Garcelon, Esq., '90, 608 Sears Bldg., Boston, Mass.

Assistant Secretary-Treasurer, Richard B. Stanley, Esq., '97, 608 Sears Bldg., Boston, Mass.

Committee on Appropriations, O. C. Boothby, Esq., '96, 608 Sears Bldg., Boston, Mass.; W. F. Garcelon, '90, 608 Sears Bldg., Boston; A. S. Feinberg, Esq., '13, Drew Bldg., Plymouth, Mass.

Committee on Annual Dinner, E. V. Call, M.D., '00, 118 Pine St., Lewiston, Me.

Connecticut Valley Association

President, George H. Smith, Ph.D., '09, 512 George St., New Haven, Conn.

First Vice-President, S. Everett Cook, '09, 31 Clarendon St., Springfield, Mass.

Second Vice-President, Angie E. Keene, '09, 46 Chestnut Ave., Waterbury, Conn.

Third Vice-President, Alice Wyman, '06, 269 Dwight St., New Haven, Conn.

Secretary-Treasurer, J. L. Meader, '15, care of Normal School, New Britain, Conn.

Executive Committee, L. M. Tarr, '82, 882 Elm St., New Haven, Conn.; I. B. Dunfield, '11, 10 Silver St., Waterbury, Conn.

Connecticut Valley Alumnæ

President, Miss Angie E. Keene, '09, 46 Chestnut Ave., Waterbury, Conn.

Vice-President, Miss Alice Wyman, '06, 269 Dwight St., New Haven, Conn.

Secretary-Treasurer, Miss Beatrice E. Neal, '12, 314 Arch St., New Britain, Conn.

Kennebec County Bates Alumni Association

President, Justice A. M. Spear, '75, Gardiner, Me.
Secretary-Treasurer, Mrs. Lucy Small Clason, '01, 30 Lincoln Ave., Gardiner, Me.
Executive Committee, Clarence P. Quimby, '10, 14 Sewall St., Augusta, Me., Chairman.

Lewiston-Auburn Bates Men's Club

President, Edgar L. Pennell, M.D., '93, 268 Main St., Auburn, Me.
Vice-President, Richard P. Boothby, '16, 128 Wood St., Lewiston, Me.
Secretary-Treasurer, Edwin W. Adams, '19, 22 Vernon St., Auburn, Me.

Mississippi Valley Association

President, Rev. Francis L. Hayes, '80, 19 S. LaSalle St., Chicago, Ill.
Vice-President, Urban G. Willis, '00, 910 East 56th St., Chicago, Ill.
Secretary-Treasurer, Mrs. Julia Babcock Childs, '02, 1211 Jarvis Ave., Chicago, Ill.
Executive Committee, Henry S. Bullen, Central Department, Y. M. C. A., 19 S. LaSalle St., Chicago, Ill.; Walter L. Fisher, '06, 3850 N. Lowell Ave., Chicago, Ill.

New Haven Alumni Association

President, Leroy B. Fraser, '08, 205 Alden Avenue.
Vice-President, William H. Martin, '09, 523 Winthrop Avenue.
Secretary-Treasurer, Amy L. Weeks, '13, 414 Winthrop Avenue.
Executive Committee, Dr. George H. Smith, '09, Chairman, 512 George St.
Winnifred F. Jewell, '15, 330 Cedar St.
Dr. James F. McNish, '13, 377 Ellsworth Ave.
Olin B. Tracy, '20, Yale Divinity School.
George W. Lawson, Ex-'18, Yale Medical School.

New York City Alumnæ Branch

President, Miss Edith A. Kelley, '99, 90 Morningside Drive, N. Y. City.
Vice-President, Mrs. Ina Parsons Thomas, '96, 318 Westminster Road, Brooklyn, N. Y.
Secretary-Treasurer, Miss Caroline W. Chase, '07, Room 612, 105 East 22nd St., New York City.
Executive Committee, Mrs. Persie Morrison Jones, '98, 118 Jewett Ave., Jersey City, N. J.; Miss Mary Pingree, '12, 33 Waldo Place, Englewood, N. J.; Mrs. Sara Reed Dewar, '19, 17 Davis Ave., East Orange, N. J.

Directory of Alumni Associations

New York Bates Alumni Association

President, Albert F. Gilmore, '92, 342 Madison Ave., New York City.
Secretary, Miss Caroline W. Chase, '07, Room 612, 105 E. 22nd St., New York City.
Treasurer, George W. Thomas, '96, 318 Westminster Road, Brooklyn, N. Y.

Northwest Alumni Association

President, Edwin A. Merrill, '86, 2854 Minnehaha Ave., Minneapolis, Minn.
Vice-President, Mrs. Lillian Leggett Bass, '02, 515 Sixth St. S. E., Minneapolis, Minn.
Secretary-Treasurer, Mrs. Mabel Keist White, '07, 3445 Humboldt Ave., Minneapolis, Minn.

Ocean Park Association

President, Prof. Clair E. Turner, '12, M. I. T., Cambridge, Mass.
Secretary-Treasurer, Mrs. Ellen S. Hall, '90, 19 Pleasant St., Old Orchard, Me.
Executive Committee, Prof. Wm. E. C. Rich, '70, Ocean Park, Me.; Mrs. Lillian Randlett Whitman, '11, 76 Hillsdale Road, Medford 57, Mass.; Mrs. Bertha True Powell, '00, 484 Cumberland Ave., Portland, Me.

Portland Alumnæ Group

(Cumberland and York Counties)

President, Miss Lilla A. Stetson, '05, 194 Spring St., Portland, Me.
Vice-President, Miss Dora Jordan, '90, Alfred, Me.
Secretary-Treasurer, Miss Marion Hutchins, '16, 28 Becket St., Portland, Me.
Executive Committee, Miss M. Aimee Ballard, '13, 3 Carroll St., Portland, Me.; Miss Elizabeth Hayes, '98, 13 Grant St., Portland, Me.; Mrs. Grace Archibald Vinal, '10, 78 Danforth St., Portland, Me.

Portland Bates Men's Club

President, Lauren M. Sanborn, Esq., '92, Court House, Portland, Me.
Vice-President, Harry W. Rowe, '12, Chase Hall, Lewiston, Me.
Secretary-Treasurer, Raymond S. Oakes, Esq., '09, 85 Exchange St., Portland, Me.
Executive Committee, Lester L. Powell, M.D., '00, 484 Cumberland Ave., Portland, Me.; A. S. Woodman, Esq., '87, 85 Exchange St., Portland, Me.; P. C. Thurston, '10, Bethel, Me.; F. E. Pomeroy, '99, 342 College St., Lewiston, Me.

Providence Alumnæ Branch

President, Bertha M. Brown, '99, 88 Holden Ave., Providence, R. I.
Secretary-Treasurer, Mary H. Martin, Ex-'21, 22 Kingston Ave., Providence, R. I.

Rhode Island Association

President, William B. Cutts, M.D., 370 Broad St., Providence, R. I.
Vice-President, Vera L. Milliken, 63 Beckwith St., Auburn, R. I.
Secretary, Mrs. Frances Miller Russell, '03, 276 Benefit St., Providence, R. I.
Treasurer, George R. Dolloff, '15, 377 Farmington Ave., Providence, R. I.

Rocky Mountain Alumni Association

President, Rev. Frederick W. Oakes, '88, 2903 West 32nd Ave., Denver, Col.
Secretary-Treasurer, James R. Brackett, '75, 2455 12th St., Boulder, Col.

Springfield Association

President, Mrs. Mary Josephine Hodgdon King, '93, 1089 Worthington St., Springfield, Mass.
Secretary, Sarah A. Hillman, '07, 90 Westminster St.
Treasurer, Donald B. Stevens, '18, 40 Albermarle St.
Executive Committee, A. B. Morrill, '85, 77 Bristol St.; Charles R. Clason, '11, 381 Main St.; Mildred I. Jones, '10, 34 Myrtle St.; Mrs. Mary J. H. King, '93, 1089 Worthington St.; Sarah A. Hillman, '07, 90 Westminster St.; Donald B. Stevens, '18, 40 Albemarle St.

The Stanton Club

(The Alumni Association of Maine)

President, Elwyn K. Jordan, '01, Alfred, Me.
Vice-President, Ernest V. Call, M.D., '00, 118 Pine St., Lewiston, Me.
Secretary-Treasurer, Harry W. Rowe, '12, Chase Hall, Lewiston, Me.
Executive Committee, Edwin W. Adams, '19, 22 Vernon St., Auburn, Me.; James H. Carroll, Esq., '11, 51Lisbon St., Lewiston, Me.; Miss Frances P. Kidder, '10, Pittsfield, Me.; Miss Florence E. Osborne, '01, 167 Holland St., Lewiston, Me.; Miss Helen C. Tracy, '19, Cony High School, Augusta, Me.; H. S. Sleeper, M.D., '86, 770 Main St., Lewiston, Me.

Washington Alumni Association

President, Frank H. Briggs, '78, 719 15th St. N. W., Washington, D. C.
Secretary, Mrs. Mary Brackett Robertson, '90, 6 West Melrose St., Chevy Chase, Md.
Treasurer, Mildred J. Jordan, '09, 2627 Garfield St. N. W., Washington, D. C.

Western New York Alumni Association

President, Guy V. Aldrich, Y. M. C. A., Rochester, N. Y.
Secretary-Treasurer, Albert E. Jennings, Jr., '12, 6 Stirling Ave., Brooklyn, N. Y.

Worcester Alumnæ Branch

President, Mrs. Mary Angell Lincoln, '90, 22 Dean St., Worcester, Mass.
Secretary-Treasurer, Mrs. Susie Watts Dexter, 123 Brookline St., Worcester, Mass.

Worcester County Bates Alumni Club

President, Isaac G. Cochran, '09, 4 Clearview Ave., Worcester, Mass.
Vice-President, Mrs. Olive Farnham Williams, '10, 30 Shirley St., Worcester, Mass.
Secretary-Treasurer, Joseph B. Wadleigh, '09, 99 Greenhill Parkway, Worcester, Mass.

Phi Beta Kappa-Gamma of Maine

President, Prof. W. H. Hartshorn, '86, 336 College St., Lewiston, Me.
Vice-President, Prof. F. A. Knapp, '96, 32 Mountain Ave., Lewiston, Me.
Secretary-Treasurer, Prof. A. N. Leonard, Brown '92, 12 Abbot St., Lewiston, Me.

Delta Sigma Rho, Bates Chapter

President, Prof. J. M. Carroll, '09, 71 Wellman St., Lewiston, Me.
Vice-President, Frank B. Quimby, '18, North Turner, Me.
Secretary-Treasurer, Harry W. Rowe, '12, Chase Hall, Lewiston, Me.
Editor, Robert B. Watts, '22, Bates College.
Executive Committee, Officers and Prof. Albert C. Baird, 95 Nichols St., Lewiston, Me.; L. B. Costello, '98, 45 Campus Ave., Lewiston, Me.

INDEX

	PAGE
Absence from Recitations	83
Admission Groups	28-29
Admission, Terms of	15-33
Advisers	84
Alumni Associations	142-149
Annuity Bond, Form of	106
Astronomy, Courses in	36
Athletic Associations	98
Athletic Field	96
Bacteriology, Courses in	61
Bates Alumnus	101
Bates Bulletin	101
Bates Student	101
Bequest, Form of	105
Biblical Literature and Religion, Courses in	36-37
Bills	85
Biology, Courses in	37
Botany, Courses in	37
Buildings	88-96
Cabinets, Botanical	89
Ornithological	90
Calendars	2-4
Carnegie Foundation	103
Carnegie Science Hall	89-90
Cercle Francaise	97
Chapel	88
Chase Hall	94
Chase House	94
Chemistry, Courses in	40-42
Laboratory	88
Cheney House	92
Christian Associations	99-100
College, Character of	6
Foundation	5
Needs of	104
Reasons for Aiding	104
Resources of	102
Services of	102
Magazine	101
College Publications	101
Commencement Honors	140
Committees, Corporation	10
Faculty	14
Coram Library	91-92
Corporation	8
Courses of Instruction	35-70
Debates, Intercollegiate	116
Prizes for	116
Sophomore	47
Degrees	80
Degrees, Requirements for	81-82
Delta Sigma Rho	98, 140, 149
Deutscher Verein	97
Dormitories:	
Chase House	94
Cheney House	92
Frye Street House	94
John Bertram Hall	93
Milliken House	94
Parker Hall	92
Rand Hall	93
Roger Williams Hall	92
Whittier House	94
Economics, Courses in	42-43
Editors of Bates Student	117

Index

	PAGE
Education, Courses in	43-45
Employment Bureau	14
English, Courses in	46-48
Ethics, Courses in	65
Examinations	31, 34, 83
Excuses	83
Expenses	84-87
Faculty	11-13
Faculty, Committees of	14
Fees	84-85
Fellows, Board of	8
Fine Arts, Courses in	48
Forestry, Courses in	48-52
Foundation of College	5
French, Courses in	52-54
Frye Street House	94
Geology, Courses in	54
George Colby Chase Lecture Fund	101
German, Courses in	55-57
Government, Courses in	60
Graduates of 1921	138-139
Greek, Courses in	57-58
Group Arrangement of Studies	80
Gymnasiums	95
Halls, Chase	94
Hathorn	88
Parker	92
Roger Williams	92
John Bertram	93
Rand	93
Health of Students	84
Heating Plant	95
Hebrew, Courses in	37
Hedge Laboratory	88
History, Courses in	59-60
History of Religions, Courses in	36
Honors	82
Honors, Commencement	140
Household Economics, Courses in	60-61
Hygiene, Courses in	69-70
John Bertram Hall	93
Jordan Scientific Society	97
Laboratory Fees	85
Latin, Courses in	61-63
Lectures and Addresses	101-102
Libbey Forum	93
Library, Coram	91-92
Literary Societies	92
Macfarlane Club	97
Magazine, Bates Student	101
Majors and Minors	81
Mathematics, Courses in	63-64
Milliken House	94
Musical Clubs	98
Needs of the College	104
Outdoor Running Track	96
Outline of Studies	71-75
Overseers, Board of	9-10
Parker Hall	92
Phi Beta Kappa	98, 141, 149
Phil-Hellenic Club	97
Philosophy, Courses in	64-65
Physical Training, Courses in	69-70
Physics, Courses in	65-67
Physiology, Courses in	69-70
Politics Club	97
President's House	94
Prizes	115-117
Psychology, Courses in	64
Public Service of Bates	102
Public Speaking, Courses in	67-68
Ramsdell Scientific Society	98
Rand Hall	93

	PAGE
Rank Bills	84
Recitation Schedule	76-79
Refund of Fees	86
Registration	83
Religions, Courses in History of	37
Religious Life	98
Requirements for Degrees	81-82
Resources	102
Roger Williams Hall	92
Running Track	96
Scholarships	107-114
Scientific Societies	97-98
Sociology, Courses in	43
Spanish, Courses in	68-69
Spofford Literary Club	97
Student Advisers	84
Students	118-133
Studies, Outline of	71-75
Summer Session	134-137
Tennis Courts	96
Trustees	8-10
Tuition	84
University Extension	102
Whittier House	94
Zoology, Courses in	38-39

UNIVERSITY OF ILLINOIS-URBANA
C. B31H C001 1917/18-1921/22
Catalogue.
3 0112 089350323